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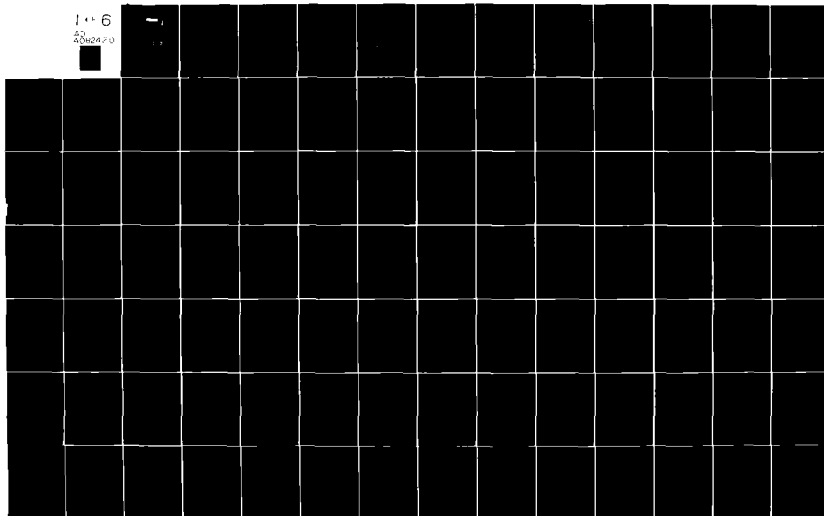
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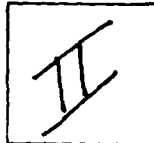
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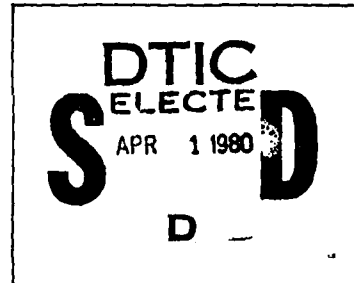
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*RUSSWO Daily temperature Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative humidity *Climatological data (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)		
This report is a six-part statistical summary of surface weather observations for Marshall AAF, Manhattan, Kansas It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

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1 JAN 73

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19. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* Kansas

* Marshall AAF KS

20. and dew-point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurrence tables.

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DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MARSHALL AAF KS WBAN# 13947
N 39 03 W 096 46 FLD ELEV 1062 FT FRI WMO # 72455

PARTS A-F

POR FROM HOURLY OBS: SEP 65- JUN 71, JUL 74- AUG 79
POR FROM DAILY OBS : SEP 56- AUG 79

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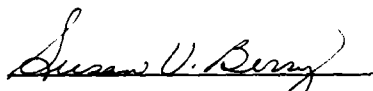
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This technical report has been reviewed and is approved for publication.


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WALTER S. BURGMANN
Scientific & Technical
Information Officer

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorm - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13447 MARSHALL AAF KS 66-71, 75-79 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.1	1.6	1.1	7.7		9.9	8.7	.4	.2		9.9	1023
	03-05		1.4	1.7	6.9		9.5	8.9	.3	1.0		10.0	1023
	06-08		1.8	2.0	9.4		12.3	11.6	.9	1.5		13.7	1027
	09-11		1.4	1.6	9.6		11.5	13.8	3.4	1.4		15.7	1027
	12-14		1.1	.9	7.7		9.4	9.1	5.1	1.2		14.4	1023
	15-17		2.5	.6	6.7		8.7	8.4	3.2	.9		12.5	1020
	18-20		1.1	1.9	5.5		8.1	8.1	2.9	.6		10.7	1027
	21-23		.9	1.0	5.2		7.8	7.5	.5	.8		9.4	1023
TOTALS		.0	1.4	1.4	7.5		9.8	9.5	2.3	1.1		12.3	5152

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1947 MARSHALL AAF KS 56-71,75-79 56-71,75-79
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	10-02	.1	2.2	.8	5.8		8.4	10.8	.5	.2		11.4	437
	03-05	.2	2.6	1.2	5.3		9.1	13.5	.4			13.7	437
	06-08	.1	2.5	1.8	5.6		9.7	17.6	.9	.8	.3	18.8	437
	09-11	.1	4.1	.9	9.5		13.9	18.5	3.4	1.5	.1	22.5	437
	12-14		2.4	.6	8.0		10.4	11.4	4.1	1.1		16.1	437
	15-17		3.7	.4	5.4		9.3	3.4	3.1	.4	.1	11.0	437
	18-20	.2	2.4	1.2	5.5		9.4	8.7	3.0	.2		11.6	437
	21-23		3.3	.6	5.3		9.6	9.8	1.5		.1	11.2	437
TOTALS		.1	2.9	.9	5.5		10.0	12.3	2.1	.5	.1	14.0	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13447

MARSHALL AAF KS

66-71, 75-79

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.6	5.1	.4	2.2	.1	7.3	7.0	1.0	.5		8.1	1127
	03-05	.5	4.7	.5	2.8		7.5	9.3	.1	.4		9.0	1122
	06-08	.6	5.0	.6	3.4		9.0	13.8	1.8	.5		15.6	1121
	09-11	.3	4.6	.3	3.6		8.0	9.6	2.7	.1	.1	12.9	1123
	12-14	.1	3.3	.1	3.3		8.5	6.0	2.4			8.4	1123
	15-17	.2	4.3	.1	3.1		7.1	5.5	2.4	.6	.2	8.8	1123
	18-20	.9	4.9	.5	3.8		8.7	6.4	2.2	.5	.4	9.1	1121
	21-23	1.0	5.2	1.0	2.8		8.4	5.3	1.1	.4		6.7	1127
TOTALS		.6	4.7	.4	3.2	.0	7.3	7.9	1.7	.4	.1	9.8	1179

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12947

MARSHALL AAF KS

66-71, 75-79

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02	3.1	9.3		.9		9.7	8.5	1.0			7.7	44
	03-05	4.3	9.4		1.2		10.4	10.4	.5			1.0	47
	06-08	1.2	7.4		.8		8.2	15.1	1.4			1.0	44
	09-11	.6	7.5		.7		8.1	8.8	3.2			11.1	47
	12-14	.6	5.0	.2	.5		6.0	4.3	3.4	.1	.2	7.7	48
	15-17	1.0	7.0	.1	.6		7.5	4.1	2.7	.1		5.4	48
	18-20	2.2	7.7		.4		7.9	4.6	2.5			7.0	44
	21-23	3.1	7.7		.8		8.2	4.6	1.3			5.4	48
TOTALS		2.0	7.6	.0	.5		8.3	7.3	2.0	.2	.2	6.1	7517

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1347

MARSHALL AAF KS

66-71, 75-79

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	3.9	7.2				7.2	9.4	1.0			7.4	1018
	03-05	3.3	7.4				7.4	14.9	1.1			14.7	1018
	06-08	3.7	9.3				9.3	17.4	2.4			17.0	1122
	09-11	2.2	7.9				7.9	6.4	3.5			6.5	1123
	12-14	2.3	7.0				7.0	4.5	2.2			6.5	1027
	15-17	1.6	5.9				5.9	3.4	1.9			4.7	1021
	18-20	2.4	5.6				5.6	3.7	1.9		.1	5.4	1019
	21-23	3.9	5.5				5.5	3.4	1.8			5.1	1020
TOTALS		2.9	7.0				7.0	7.8	2.0		.0	9.0	8166

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

17947

MARSHALL AAF KS

66-71,75-79

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	7.7	9.8				9.8	2.1	.6			2.7	991
	03-05	6.1	7.4				7.4	7.0	.8			7.8	940
	06-08	4.5	8.7				8.7	6.1	2.1			10.2	968
	09-11	2.1	4.9				4.9	2.9	2.6			5.6	948
	12-14	1.2	3.6			.1	3.6	1.8	3.5			5.4	938
	15-17	2.2	4.0				4.0	2.2	1.3			4.0	959
	18-20	3.8	4.2				4.2	1.2	1.9			3.2	964
	21-23	7.4	6.5				6.5	1.1	2.0			3.1	966
TOTALS		4.4	6.1			.0	6.1	3.3	1.9			5.3	7527

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13547

MARSHALL AAF KS

66-70, 74-79

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	4.9	4.2				4.2	1.9	3.3			4.5	1119
	03-05	5.2	5.5				5.5	5.9	4.8			9.5	1022
	06-08	2.4	6.1				6.1	3.9	5.7			13.5	1021
	09-11	1.2	2.9				2.9	3.4	5.1			9.5	1023
	12-14	.4	2.2				2.2	1.6	4.0			5.4	1019
	15-17	1.3	2.1				2.1	1.2	3.3			4.4	1020
	18-20	3.2	3.4				3.4	.9	2.8			3.3	1021
	21-23	3.0	2.2				2.2	1.0	2.9			3.0	1021
TOTALS		2.7	3.6				3.6	3.1	4.0			5.5	6156

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13947 MARSHALL AAF KS 66-70, 74-79 200
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	2.7	5.2				5.2	3.2	.9			2.9	1714
	03-05	4.7	7.9				7.9	8.0	1.3			8.8	1113
	06-08	1.8	6.5				6.5	14.6	3.7			17.5	1017
	09-11	.8	4.4				4.4	6.0	3.3			6.9	1013
	12-14	.7	3.5				3.5	2.2	1.9			4.3	1714
	15-17	1.4	3.0				3.0	1.2	1.8			2.9	1013
	18-20	2.3	2.9				2.9	1.0	1.8			2.5	1011
	21-23	3.0	3.9				3.9	1.5	1.7			5.2	1014
TOTALS		2.2	4.7				4.7	4.7	2.1			5.5	8119

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

17947

MARSHALL AAF KS

65-70, 74-78

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	3.8	6.4				6.4	6.5	1.6			7.5	982
	03-05	3.2	7.3				7.3	11.3	1.6			12.7	990
	06-08	3.1	8.2				8.2	18.1	3.6			20.9	997
	09-11	1.0	6.6				6.6	7.3	4.4			10.9	988
	12-14	.7	5.5				5.5	2.4	3.0			5.5	989
	15-17	1.9	5.1				5.1	2.1	2.3			4.3	988
	18-20	2.8	6.4				6.4	3.3	2.4			5.7	990
	21-23	3.7	5.8				5.8	5.6	1.7			7.2	989
TOTALS		2.5	6.4				6.4	7.1	2.6			9.4	7017

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

WEATHER CONDITIONS

13447

MARSHALL AAF KS

65-73, 74-78

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	1.9	6.6				6.6	4.1	.6			4.7	1021
	03-05	.5	6.4		.2		6.4	6.7	.3			7.0	1023
	06-08	1.0	6.9		.4		6.9	11.0	1.3			12.1	1023
	09-11	.3	5.6		.2		5.6	6.9	1.5			6.1	1022
	12-14	.5	6.3				6.3	4.4	.6		.1	5.1	1022
	15-17	.7	5.5				5.5	4.3	.6			5.1	1023
	18-20	1.1	5.4				5.4	3.6	1.6			5.2	1022
	21-23	1.2	5.6				5.6	3.1	.5			3.6	1023
TOTALS		.9	6.0		.1		6.5	5.2	.9		.0	6.4	8179

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1347

MARSHALL AAF KS

55-70, 74-78

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.3	5.0		1.9		6.8	7.9	.2			8.1	958
	03-05		4.3	.2	2.1		6.6	10.9	.3			10.9	980
	06-08		6.1	.5	1.7		8.2	17.2	1.5			18.0	997
	09-11	.2	6.8	.6	1.5		8.6	12.3	3.7			15.9	990
	12-14		6.1		1.7		7.5	7.5	2.1			9.6	949
	15-17	.4	8.6	.2	2.0		10.7	9.1	1.5			10.5	990
	18-20	.3	5.7	.3	1.3		7.3	8.0	.7	.3		9.0	990
	21-23		4.6	.1	2.0		6.5	6.9	.1	.3		7.2	990
TOTALS		.2	5.9	.2	1.3		7.8	10.0	1.3	.1		11.2	7915

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

17947

MARSHALL AAF KS

65-70, 74-78

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		3.4	.8	2.7		6.7	9.0	.2			9.2	1023
	03-05		4.0	.7	3.9		8.3	9.4		.4		10.0	1023
	06-08		3.3	2.2	3.7		9.2	13.6	.1	.4		13.7	1023
	09-11	.1	4.0	1.5	4.8		10.1	15.9	2.4	.3		18.0	1023
	12-14		4.0	.4	4.3		8.7	11.9	1.6	.3	.1	13.5	1021
	15-17	.2	4.6	.4	5.2		10.2	10.5	1.2	.3		11.3	1023
	18-20		4.4	.3	4.5		9.1	8.9	.7	.4		9.5	1023
	21-23	.1	3.6	.7	3.5		7.5	7.3	.4	.4		8.1	1023
TOTALS		.1	3.9	.9	4.1		8.7	10.9	.8	.3	.0	11.7	3152

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1347

MARSHALL AAF KS

65-71,74-79

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	1.4	1.4	7.5		9.6	9.5	2.3	1.1		12.3	6167
FEB		.1	2.9	.9	6.5		10.0	12.3	2.1	.5	.1	14.6	7459
MAR		.6	4.7	.4	3.2	.0	7.8	7.9	1.7	.4	.1	9.9	8179
APR		2.0	7.6	.0	.8		8.5	7.3	2.0	.0	.0	9.1	7917
MAY		2.9	7.0				7.0	7.6	2.0		.0	9.6	8166
JUN		4.4	6.1			.0	6.1	3.3	1.9			8.3	7902
JUL		2.7	3.6				3.6	3.1	4.0			6.6	8166
AUG		2.2	4.7				4.7	4.7	2.1			6.5	8169
SEP		2.5	6.4				6.4	7.1	2.0			9.4	7912
OCT		.9	6.0		.1		6.0	5.5	.9		.0	6.4	8179
NOV		.2	5.9	.2	1.8		7.8	10.0	1.3	.1		11.2	7916
DEC		.1	3.9	.9	4.1		8.7	10.9	.8	.3	.0	11.7	8162
TOTALS		1.6	5.0	.3	2.0	.0	7.2	7.5	2.0	.2	.0	9.4	96745

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

3

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

XX WEATHER CONDITIONS XX
 XX ATMO SPHERIC PHENOMENA XX

17 47 MARSHALL AAF KS

56-79

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.3	15.9	6.1	26.3		36.8	31.1	9.9	4.9		30.3	711
FEB		1.7	20.2	5.3	26.1	.2	37.9	35.2	10.2	3.2		39.3	647
MAR		5.9	29.6	2.4	17.4	1.4	39.6	30.7	9.1	2.1	.1	34.6	713
APR		17.1	41.4	.1	3.9	2.2	42.5	27.7	8.7	.1		29.7	690
MAY		25.2	45.7		.1	3.1	45.7	29.1	6.2			31.2	711
JUN		30.9	42.3			2.3	42.3	20.7	7.5			23.6	692
JUL		27.4	36.6			.8	36.6	17.9	8.7			21.2	711
AUG		20.9	32.5			.7	32.5	20.2	9.3			23.7	713
SEP		20.9	37.1			.3	37.1	32.4	9.6			35.3	699
OCT		10.9	27.3		.6	.4	27.5	25.8	5.9			27.2	698
NOV		3.5	25.3	1.6	10.9	.6	30.1	29.7	7.0	.4		31.1	688
DEC		.7	19.6	4.4	14.9	.1	33.3	20.2	5.5	1.8		31.4	706
TOTALS		13.8	31.1	1.7	6.9	1.0	36.8	27.6	8.2	1.0	.0	30.4	2367

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- *1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- *2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES:**
- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
 - (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
 - (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USNS)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

13947
STATION

MARSHALL AAF KS
STATION NAME

56-79
YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-3000	OVER 3000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	0.1	17.9	2.8	7.0	3.5	4.1	1.0	0.7	0.5					20.0	710	0.0	2.13	0.0
FEB	0.5	21.0	2.3	4.6	1.0	3.1	2.1	1.0	0.7					17.8	647	0.8	1.76	0.0
MAR	0.5	16.7	2.1	5.3	2.7	4.9	4.0	2.1	2.0					23.3	713	2.18	8.61	0.0
APR	5.1	15.9	1.9	6.4	0.3	7.7	1.5	0.5	1.7	0.1				29.0	690	2.75	5.69	0.0
MAY	3.2	15.0	1.4	6.0	2.7	5.9	6.7	5.6	3.0	0.0				31.8	711	4.67	9.24	0.76
JUN	50.2	10.0	2.8	5.8	3.3	5.4	4.5	0.0	5.1	1.0				33.8	690	5.40	11.31	0.82
JUL	1.6	10.7	2.7	3.9	3.1	4.0	7.0	4.4	4.1	0.7				27.7	711	4.13	10.81	0.39
AUG	0.0	9.0	1.4	4.5	0.8	4.1	7.0	0.0	3.6	0.1				24.0	713	3.16	9.21	0.0
SEP	0.5	10.8	1.7	3.8	0.5	6.1	6.7	5.4	2.8	0.7				28.8	688	3.88	12.38	0.74
OCT	70.3	7.4	2.0	3.2	2.9	3.4	4.0	3.0	2.0	0.0				22.2	698	2.80	6.00	TRACE
NOV	60.3	12.6	1.5	5.1	0.0	3.0	0.0	0.0	1.2	0.1				19.0	698	1.37	5.78	0.0
DEC	0.0	17.1	2.5	4.5	0.7	3.0	0.0	0.7	0.4					17.9	708	1.01	2.94	TRACE
ANNUAL	01.4	14.0	2.1	5.0	0.1	4.7	6.1	0.0	2.2	0.7				24.6	636733	0.0		

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

1947 MARSHALL AAF KS
STATION STATION NAME

56-79 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
56									.57	.71	.65	.42	
57	.10	.22	.97	1.15	1.94	1.44	1.57	1.26	2.12	2.01	.85	.33	2.12
58	.55	.87	.53	.70	1.63	2.54	2.12	2.05	1.53	1.45	.18	.70	2.54
59	.27	.41	.73	.46	3.15	1.28	2.83	2.15	1.05	1.72	.29	.40	3.15
60	1.06	.64	.91	.64	.98	1.08	1.22	2.06	1.98	1.22	.73	.70	2.06
61	.08	.56	.98	1.13	2.25	1.19	1.52	.50	3.67	2.68	1.24	.73	3.67
62	.30	.23	1.70	.34	3.90	1.12	.95	2.10	1.72	.54	.62	.24	3.90
63	.21	.05	1.26	.55	.55	4.23	.86	.99	1.72	.63	.60	.18	4.23
64	.28	.42	1.83	1.53	1.08	1.16	2.82	1.07	.41	.09	1.86	.75	2.82
65	1.04	.77	.50	.64	1.03	2.54	2.06	1.29	3.41	1.41	.16	1.37	3.41
66	.44	.42	.06	1.88	.53	.36	1.15	1.35	1.18	.56	.04	.80	1.88
67	.15	.06	1.18	1.09	1.16	3.70	1.21	.61	4.54	1.72	.29	.40	4.54
68	.15	.10	.04	.99	.99	.71	1.73	2.63	1.32	2.99	1.88	1.22	2.99
69	.19	.35	1.07	2.48	2.45	2.24	1.57	1.46	1.15	1.02	.09	.42	2.49
70	.40	.33	.46	1.42	2.77	1.71	1.32	1.20	1.34	1.19	.20	.79	2.77
71	.46	.79	.26	.78	2.76	1.94	2.53	.00	.69*	2.88*	3.71*	.12	* 3.71
72	* .12*	.08	.68	2.76*	.75	2.45*	2.24	1.35*	.92*	.46*	1.21*	.38	2.76
73	* .60*	1.50	1.43	.97*	2.08	1.08*	3.17	.81*	3.33*	2.65	.86	1.90	* 3.33
74	.15	.37	.78	1.72	.55	1.22	1.30	1.76	.93	1.33	.54	.64	1.76
75	.70	.49	.85	.83	1.00	1.55	.28	1.79	2.55	TRACE	1.76	.50	2.55
76	.22	.42	1.37	1.73	1.37	4.72	1.55	.25	1.16	.68	.22	TRACE	4.72
77	.28	.08	1.58	.54	3.07	3.77	.90	1.67	.98	.98	1.03	.76	3.77
78	.20	.43	1.15	.34	2.92	2.80	.82	.65	1.92	.25	1.34	.35	2.92
79	.68	.24	1.74	.69	1.30	1.20	1.91	.53					
MEAN	.377	.393	.929	1.103	1.780	2.001	1.534	1.373	1.711	1.156	.731	.562	3.067
S.D.	.284	.237	.487	.656	1.007	1.176	.666	.692	1.062	.795	.608	.464	.883
TOTAL OBS.	710	647	713	690	711	690	711	713	688	698	688	708	8367

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

13747 MARSHALL AAF KS
STATION STATION NAME

56-79

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56									.77	1.80	1.20	.58	
57	.21	.29	2.73	3.53	6.93	5.18	5.00	2.15	3.75	3.51	1.90	.86	30.04
58	1.07	1.53	2.05	1.28	2.51	6.49	10.81	4.26	5.52	1.55	.46	1.06	36.59
59	.68	.46	1.88	1.51	7.90	3.05	6.47	4.58	3.50	5.27	.47	.84	30.61
60	2.13	1.97	2.32	1.75	2.44	5.29	3.62	4.63	2.78	3.03	.04	1.52	31.58
61	.08	1.17	2.75	3.39	7.90	5.86	3.79	1.10	6.73	6.00	2.10	.76	41.63
62	.96	1.02	2.29	.68	6.52	4.03	2.43	5.21	7.08	2.56	1.58	.44	34.80
63	.63	.05	1.79	1.15	1.85	6.59	2.05	1.38	2.55	2.24	1.19	.36	21.83
64	.64	.71	2.92	5.69	2.62	5.20	8.39	4.29	.74	.19	3.53	1.26	36.18
65	1.94	2.28	1.09	1.58	3.05	10.21	3.65	2.63	7.15	3.57	.19	2.47	39.61
66	.50	.84	.17	2.49	.76	.82	1.80	4.36	1.86	1.07	.06	.94	15.67
67	.29	.11	2.36	2.77	3.67	9.84	5.01	1.96	12.38	3.25	.41	1.46	43.51
68	.29	.29	.04	3.50	3.55	2.48	3.41	5.46	1.79	4.32	2.78	1.41	29.73
69	.79	.96	2.30	4.33	5.92	6.78	5.73	2.16	2.36	5.18	.23	1.36	38.10
70	.43	.36	1.15	3.41	6.27	6.26	1.72	2.15	5.93	3.51	.61	.12	31.92
71	.53	2.14	.55	1.50	5.63	6.68	7.79	.00	1.21*	5.00*	5.78*	.40	*37.21
72	*.27*	.19	1.04	4.76*	3.14	2.84*	6.43	3.39*	1.72*	1.86*	3.81*	.78	*30.23
73	*1.40*	1.82	8.60	2.60*	4.57	1.84*	9.52	2.48*	8.97*	5.17	1.08	2.94	*50.99
74	.45	.45	.96	3.32	2.47	3.43	1.90	5.27	1.97	4.89	.83	.88	26.82
75	1.47	1.57	1.50	2.01	4.04	6.37	.39	2.63	4.61	TRACE	4.36	.56	29.51
76	.52	.51	2.35	5.26	4.50	6.41	2.63	.57	1.81	1.97	.22	TRACE	26.75
77	.36	.15	1.95	3.03	9.24	11.31	1.32	9.21	2.52	1.83	2.28	.13	43.87
78	.47	1.13	2.92	1.33	6.99	3.35	2.11	1.45	4.55	.31	3.34	.77	29.72
79	1.78	.44	4.43	2.27	3.28	3.96	6.61	1.28					
MEAN	.726	.878	2.180	2.745	4.669	5.403	4.125	3.157	3.884	2.803	1.374	1.009	33.244
S.D.	.576	.682	1.721	1.369	2.344	2.639	2.689	2.076	2.824	1.761	1.270	.786	7.405
TOTAL OBS	710	647	713	690	711	690	711	713	688	698	688	708	8367

NOTE * BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0-88-5 (OLA)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

13947
STATION

MARSHALL AAF KS
STATION NAME

56-79
YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	PRECIP	NONE	TRACE	01	05-08	09-10	11-25	26-30	31-100	101-350	351-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.4	OVER 100.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	71.5	14.5	4.5	5.8	1.5										13.7	710	4.9	13.2	.6
FEB	12.5	16.5	2.9	2.9	1.1	1.1									10.7	647	5.0	21.7	TRACE
MAR	22.3	10.6	2.1	2.5	.7	1.7	.1	.1	.3						6.9	713	3.3	17.5	.3
APR	55.9	2.6		.7	.4	.1	.1								1.5	689	.7	4.5	.0
MAY	59.9	.1														711	TRACE	TRACE	.0
JUN	100.0															690	.0	.0	.0
JUL	100.0															711	.0	.0	.0
AUG	100.0															713	.0	.0	.0
SEP	100.0															688	.0	.0	.0
OCT	59.4	.6														698	TRACE	TRACE	.0
NOV	89.1	7.7	1.0	.9	.7		.1	.1							3.2	688	1.1	6.4	.0
DEC	79.2	12.3	2.4	3.1	1.0	.7	.5	.1	.7						8.5	707	4.2	11.7	TRACE
ANNUAL	70.4	6.6	1.1	1.4	.4		.1	.1	.1						3.7	8365	19.2		

3

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

1947 MARSHALL AAF KS
STATION STATION NAME

56-79
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV	DEC.	ALL MONTHS
56									.0	.0	.6	3.1	
57	.9	1.8	3.4	2.1	.0	.0	.0	.0	.0	TRACE	TRACE	1.0	3.4
58	2.8	1.1	1.5	.0	.0	.0	.0	.0	.0	.0	3.6	6.8	6.8
59	2.7	2.3	2.0	.8	.0	.0	.0	.0	.0	.0	2.9	.9	2.9
60	5.8	7.1	9.8	TRACE	.0	.0	.0	.0	.0	.0	.1	3.0	9.8
61	1.0	4.7	4.9	1.2	.0	.0	.0	.0	.0	.0	2.7	4.0	4.9
62	3.0	1.6	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	1.7	3.0
63	3.0	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0
64	.9	1.5	2.8	.0	.0	.0	.0	.0	.0	.0	1.0	4.9	4.9
65	5.0	6.7	1.2	.0	.0	.0	.0	.0	.0	.0	TRACE	3.6	6.7
66	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	9.2	9.2
67	1.5	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE*	2.1	* 2.1
68	2.0	1.8	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3	2.0
69	1.8	3.0	2.4	.0	.0	.0	.0	.0	.0	.0	TRACE	4.1	4.1
70	4.0	TRACE	2.5	3.5	.0	.0	.0	.0	.0	TRACE	.2	.1	4.0
71	4.6	8.0	2.6	TRACE	.0	.0	.0	.0	.0*	.0*	1.8*	3.0	8.0
72	* 1.2*	2.0	TRACE	TRACE*	.0	.0*	.0	.0*	.0*	.0*	2.1*	3.3	* 3.3
73	* 5.7*	5.5	.0	*TRACE*	.0	.0*	.0	.0*	.0*	.0*	TRACE	4.0	* 5.7
74	1.0	.6	1.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	.8	1.0
75	7.0	4.2	8.5	2.5	.0	.0	.0	.0	.0	.0	5.1	TRACE	8.5
76	2.2	.5	1.3	.0	.0	.0	.0	.0	.0	TRACE	2.2	TRACE	2.2
77	2.8	.4	TRACE	2.0	.0	.0	.0	.0	.0	.0	TRACE	.2	2.8
78	2.0	3.4	3.4	.0	TRACE	.0	.0	.0	.0	.0	2.2	3.5	3.5
79	2.3	2.4	3.4	1.6	.0	.0	.0	.0					
MEAN	2.71	2.46	2.27	.67	TRACE	.00	.00	.00	.00	TRACE	.98	2.69	4.59
S.D.	1.720	2.422	2.577	1.040	.000	.000	.000	.000	.000	.000	1.509	2.466	2.576
TOTAL OBS.	710	647	713	689	711	690	711	713	688	648	688	707	8365

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

EXTREME VALUES
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

56-79

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

13967
STATION

MARSHALL AAF KS
STATION NAME

56-79
YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	04-10	11-25	26-50	51-100	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
	SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4						OVER 50.4
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	47.0	13.7	13.0	5.6	6.2	12.4	2.1							39.3	710				
FEB	44.4	12.6	7.0	4.2	6.0	6.7	7.0	5.0						22.9	647				
MAR	55.1	4.1	5.6	1.4	1.3	1.4	1.7	1.4						10.8	713				
APR	58.1	1.2	.3	.3	.1									.7	689				
MAY	100.0														711				
JUN	100.0														690				
JUL	100.0														711				
AUG	100.0														713				
SEP	100.0														688				
OCT	100.0														698				
NOV	55.2	2.3	1.2	.7										2.5	658				
DEC	73.6	9.0	6.2	4.4	7.4	2.5	.4							16.9	756				
ANNUAL	68.6	3.0	2.6	1.4	1.1	1.0	.1	.1						7.8	8366				

1
3
1

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

1947 MARSHALL AAF KS

56-79

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
56									0	0	1	3	
57	1	2	3	2	0	0	0	0	0	0	TRACE	1	3
58	6	2	2	0	0	0	0	0	0	0	4	2	6
59	9	3	2	TRACE	0	0	0	0	0	0	2	3	9
60	6	13	19	TRACE	0	0	0	0	0	0	TRACE	3	19
61	1	7	4	TRACE	0	0	0	0	0	0	TRACE	5	7
62	4	2	2	0	0	0	0	0	0	0	0	3	4
63	4	1	TRACE	0	0	0	0	0	0	0	0	2	4
64	1	1	1	0	0	0	0	0	0	0	1	5	5
65	5	7	1	0	0	0	0	0	0	0	0	2	7
66	1	0	1	0	0	0	0	0	0	0	0	10	10
67	6	0	1	0	0	0	0	0	0	0	0	3	6
68	3	2	0	0	0	0	0	0	0	0	0	TRACE	3
69	2	7	3	0	0	0	0	0	0	0	0	4	7
70	4	0	1	1	0	0	0	0	0	0	0	TRACE	4
71	5	11	3	0	0	0	0	0	0	0	TRACE	TRACE	11
72	*	1*	2	0	0*	0	0*	0	0*	0*	0*	2*	4
73	*	7*	1	0	TRACE*	0	0*	0	0*	0*	0	0	6
74	6	1	1	TRACE	0	0	0	0	0	0	TRACE	TRACE	6
75	5	4	9	3	0	0	0	0	0	0	8	TRACE	9
76	2	1	1	0	0	0	0	0	0	0	2	1	2
77	6	TRACE	0	2	0	0	0	0	0	0	0	TRACE	6
78	3	7	4	0	0	0	0	0	0	0	TRACE	4	7
79	13	6	1	0	0	0	0	0	0	0			
MEAN	4.3	3.7	2.6	.4	.0	.0	.0	.0	.0	.0	.9	2.7	6.5
S.D.	2.533	3.773	4.099	.848	.000	.000	.000	.000	.000	.000	1.731	2.473	3.717
TOTAL OBS.	710	647	713	699	711	690	711	713	688	698	688	778	8366

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VREL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

* Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

17-47 MARSHALL AAF KS
STATION

5R-79
YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50		F	*32NNE	29SSW	50W	30SSW	53ESE	55SSW	30N	43SE	48SSW	59SSE	35
51	NNW	40SSW	35NNW	42SSW	42S	63S	47S	54NNW	47SSE	40NW	41NNW	37SSW	41 S 63
52	SSW	46NNW	31F	52SSE	48SSW	45N	40S	32SSE	34N	31NNW	30SW	47S	72 E 62
53	N	37NNW	31SSW	37NNW	35S	36NE	44NW	39NW	42S	41S	41SSE	36NNW	76 NW 44
54	S	40N	33S	35S	44SW	43NNE	33SW	43NW	40S	33S	36S	32NW	39 S 44
55	S	34N	35S	47S	44SSE	34NNW	43NNW	29S	27N	34SSW	32NNW	37N	*71 S 47
56	S	36SSW	47S	46S	49S	49S	37SSE	36SSW	34SSW	*49SSW	37NNW	38SSW	40 S 49
57	NW	40NNW	42NNW	40SW	42SSE	44WSW	52NNW	38S	34WSW	40WSW	40SW	33S	45 WSW 52
58	SSW	33S	40NW	55NNW	53S	44S	40NW	41E	35SW	31S	44NNW	37S	34 NW 55
59	N	43N	47S	48S	48N	40NW	49SW	43NE	26NNW	31S	43S	25SSW	39 NW 49
60	N	33SSE	35S	45S	40SSE	47NNW	4232/	4219/	3419/	3336/	4518/	4121/	47 SSE 47
61	35/	5133/	3136/	3824/	4316/	42 5/	5834/	3416/	2930/	3017/	4018/	4228/	30 S/ 58
62	21/	2635/	3534/	3526/	4434/	5127/	4536/	6034/	4130/	4719/	4323/	5030/	43 36/ 60
63	35/	3615/	4132*	6024/	4312/	4328/	5534/	4715/	3120/	4920*	4018/	3721*	42 32* 60
64	19/	2621/	4022/	4412/	5517/	4319/	3623/	3917/	5418/	3418/	3117/	3619/	49 12/ 55
65	19/	4519/	4023/	5321*	6117/	4528*	37 9/	4919/	3415/	4420/	4319/	4019/	38 21* 61
66	20/	2820/	3730/	3616/	4617/	4728/	4825/	4333/	4421/	3023/	4433/	3418/	36 28/ 48
67	16/	3722/	4229/	4215/	5224/	3536/	4420/	3018/	3424/	5719/	3819/	4417/	37 24/ 57
68	25/	2835/	4417/	4824/	6220/	3320/	4717/	3330/	3623/	2821/	2821/	3230/	76 24/ 62
69	36/	3219/	4816/	4232/	4215/	4120/	3234/	3632/	3821/	3614/	3319/	4132/	34 19/ 48
70	34/	3634/	3223/	3213/	4018/	4224/	3829/	3620/	3332/	4220/	3220/	3024/	35 18/ 42
71	34/	3236/	3321/	3721/	3620/	4121/	64 2/	36 6/	29				
MEAN	30.1	30.0	42.0	45.6	42.5	45.1	40.6	35.7	37.7	38.5	38.6	38.2	52.3
S.D.	6.549	5.572	7.007	6.415	7.125	8.209	8.159	6.820	7.665	5.772	7.373	5.018	6.850
TOTAL OBS	644	604	676	656	675	643	675	680	624	635	624	638	7774

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947 MARSHALL AAF KS 66-71, 75-79 JAN 1900-1950
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.2	3.4	2.5	.1							11.1	7.7
NNE	2.2	2.4	1.6	.8	.1							7.3	5.1
NE	1.7	1.1	1.5	.3								4.1	6.2
ENE	.6	.8	1.2		.2							2.4	5.0
E	1.0	.4	.9	.6								3.2	6.3
ESE	.5	.4	.6	.1								1.6	5.0
SE	.5	.2	.6	.2								1.6	5.3
SSE	.5	.5	.6	.5	.3							2.3	4.7
S	1.3	1.5	2.0	1.2	.5	.7						7.1	5.6
SSW	2.2	3.4	1.3	1.0	.2							5.6	6.2
SW	2.0	3.0	2.5	.9	.3							8.7	6.6
WSW	.8	1.6	.3	.2								2.8	4.9
W	.5	.5	.6	.6								2.4	6.8
WNW	.9	.9	.7	.1								2.5	5.3
NW	.3	1.1	1.2	.6	.2							3.3	5.3
NNW	.7	1.8	1.5	1.3	.1							4.8	7.8
VARBL													
CALM												25.6	
	17.6	22.7	21.5	17.8	2.7	.7						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1523

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17-47 MARSHALL AAF MS 66-71,75-79
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JAN NORTH
0300-0600
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.8	3.7	2.2	.1							11.5	7.4
NNE	2.0	2.9	2.0	.7	.1							7.6	6.1
NE	1.7	2.0	1.3	.4	.1							5.4	5.7
ENE	.7	.8	.6	.4								2.5	5.4
E	1.0	1.2	.9	.2								3.2	5.5
ESE	.6	.4	.4	.3								1.7	6.2
SE	.1	.3	.3	.1								.5	7.5
SSE	.4	.8	.2	.7	.5	.1						2.6	10.3
S	1.0	2.2	1.0	1.6	.3	.5						6.5	9.1
SSW	2.3	2.6	1.9	1.3	.4							8.5	7.0
SW	2.3	2.5	1.2	.3	.1							6.5	5.2
WSW	.2	1.5	.7	.1								2.4	5.8
W	1.0	1.2	.9	.5	.1							3.6	6.7
WNW	.7	1.1	.3	.3								2.3	5.6
NW	.7	1.0	1.4	.4								2.4	5.5
NNW	.8	1.6	1.3	.7	.3							4.6	7.8
VARBL													
CALM												20.4	
	17.3	25.7	18.0	10.1	2.7	.6						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947 MARSHALL AAF MS 66-71, 75-79 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-1800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.7	4.2	2.5								11.6	7.6
NNE	2.2	2.1	2.5	1.1	.3							7.5	6.9
NE	1.6	2.3	1.5	.5								5.7	5.5
ENE	.6	.9	.6									2.5	5.3
E	.4	.3	.7	.5								2.7	6.6
ESE	.1	1.2	.3	.2	.3							2.1	3.5
SE	.5	.2	.2	.3	.1							1.3	7.2
SSE	.3	.1	.6	.3	.1	.4						1.5	12.8
S	1.8	1.6	1.1	1.0	.6	.1						6.1	7.7
SSW	2.1	1.7	1.9	2.4	.3							8.3	7.5
SW	2.1	3.4	1.3	.7								7.4	5.6
WSW	1.0	1.2	.3	.1								2.5	4.4
W	1.3	.5	.6	.1								2.7	4.9
WNW	.9	1.0	.9	.6								3.1	6.4
NW	.4	1.5	.7	.3	.1							2.9	7.0
NNW	1.3	1.3	1.7	.6								4.8	6.5
VARBL													
CALM												27.4	
	16.6	22.4	16.2	11.2	1.9	.5						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1020

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1747 STATION MARSHALL AAF KS 66-71,75-79 YEARS JAN MONTH 1970-1971 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.6	5.5	2.7	.5							12.5	5.5
NNE	1.6	2.2	1.9	.7	.7	.2						6.5	5.2
NE	1.0	3.1	2.5	1.0								7.5	6.5
ENE	.7	1.0	.4									2.1	4.5
E	.4	1.1	.5	.3								2.4	5.7
ESE	.5	.7	1.2	.2		.1						2.5	7.4
SE	.5	.9	1.0	.8	.7							7.3	5.5
SSE	.5	.9	1.0	1.0	.6	.2						4.0	10.2
S	1.3	.6	1.3	1.5	.8	.1						5.0	9.6
SSW	2.2	1.7	2.9	2.1	.6							12.5	5.6
SW	2.0	4.9	2.0	1.1								7.9	5.1
WSW	1.1	2.0	1.6	.3	.1							3.3	5.2
W	.5	1.9	.9	.2								3.7	5.6
WNW	.5	.7	2.1	1.0								4.3	5.5
NW	.2	.9	1.9	1.3								4.2	5.2
NNW	.4	.7	1.9	1.1								4.0	5.7
VARBL													
CALM												11.4	
	14.3	25.5	28.6	16.1	2.9	.6						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1027

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947 MARSHALL AAF KS 66-71.75-79

STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

DATE 1900-1900

MOUSE (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	4.5	3.8	.6	.2						11.3	1.3
NNE	1.2	2.2	1.2	1.1								6.3	6.2
NE	1.5	2.5	1.2	.9								5.1	5.1
ENE	1.1	1.0	.4	.2								2.5	2.1
E	.9	.9	.4	.3								2.3	2.2
ESE	.5	.4	.8	.3	.1							2.1	2.2
SE	.8	1.2	1.1	.5	.2	.1						2.2	2.7
SSE	.2	.7	1.7	1.0	.1							3.6	2.1
S	.4	1.7	2.2	1.4	1.0	.1						7.1	1.1
SSW	.7	1.7	3.1	3.8	1.3	.2						10.5	10.4
SW	.9	3.5	3.0	1.9	.9	.1						10.9	8.4
WSW	.6	2.7	2.5	.4								6.3	5.5
W	.7	2.4	2.6	.8	.1							6.6	2.2
WNW	.2	.5	1.9	1.3	.1	.1						4.1	4.9
NW	.2	.8	2.2	2.4	.2	.1						6.0	1.5
NNW	.3	1.2	3.2	2.5	.3							7.5	7.0
VARBL													
CALM												2.1	
	10.3	25.2	33.4	22.9	4.7	.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1947 MARSHALL AAF KS 66-71,75-79 JAN
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS 1500-1700
CONDITION HOURS (L.G.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	5.9	3.6	.2	.3						12.4	6.7
NNE	1.1	1.9	2.0	.6								5.5	6.0
NE	.7	.8	1.6	.2								3.2	5.5
ENE	.9	1.3	.6	.6								3.5	6.3
E	.5	1.0	1.2	.6								3.3	7.3
ESE	.3	.4	.9	.3								1.9	7.4
SE	.9	.7	1.1	.8								3.4	7.3
SSE	.6	1.4	1.9	.9								4.7	7.3
S	.6	2.0	3.1	2.3	.2							8.2	6.7
SSW	1.1	2.4	2.7	3.7	.3							17.9	7.5
SW	.4	1.2	2.6	1.7	.1							8.0	7.9
WSW	1.0	2.2	1.7	.4								4.0	6.4
W	.9	2.3	1.4	.8								5.3	5.5
WNW	.7	1.3	1.6	1.3	.3							5.1	6.5
NW	.4	2.1	2.3	1.8	.2	.1						6.5	6.8
NNW	.7	2.2	3.4	2.3	.1	.1						5.9	5.7
VARBL													
CALM												4.1	
	11.4	26.4	33.6	21.7	1.9	.5						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1022

SIGNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1747

ARSHALL AAF KS

56-71, 75-79

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1900-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.8	2.7	1.6	.1							9.1	7.2
NNE	1.2	1.5	2.3	.1								5.1	6.3
NE	1.2	1.5	1.3	.4	.1							4.4	6.2
ENE	.9	1.4	.8	.5								3.6	6.2
E	1.1	1.3	1.1	.3								3.7	5.9
ESE	.4	.8	.2	.3								1.7	5.9
SE	.4	1.2	.5	.7								2.7	7.4
SSE	.7	1.4	1.0	.3	.1	.2						3.6	7.4
S	1.9	2.7	2.1	.6	.4							7.6	6.6
SSW	2.7	3.2	2.4	1.4	.1							9.9	6.3
SW	1.5	2.4	1.1	.7								5.7	5.7
WSW	.6	1.4	.6	.1								2.8	4.6
W	.7	1.4	.2	.1	.1							2.4	4.6
WNW	1.2	.8	.4	.4	.1							2.8	5.4
NW	.4	2.1	1.1	.2	.2							3.9	6.6
NNW	1.3	2.2	1.8	.8	.3	.1						5.4	7.4
VARBL													
CALM												24.7	
	17.9	27.9	19.5	8.3	1.5	.3						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17447 STATION MARSHALL AAF KS 66-71,75-79 YEARS JAN NORTH
2100-2300 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.7	2.8	2.1	.7							9.2	7.6
NNE	2.1	1.9	2.2	.6								8.7	6.2
NE	1.0	2.2	1.2	.4								4.8	5.9
ENE	.7	.9	1.1	.5		.1						2.1	7.2
E	.7	1.2	1.5	.1								3.4	6.1
ESE	.8	.7	.4									1.9	4.4
SE	.4	.7	.5	.3	.1							2.0	7.4
SSE	.4	.7	.3	.5		.2						2.1	7.1
S	1.2	2.2	2.0	1.6	.4	.2						7.4	6.4
SSW	1.9	2.0	2.7	1.4	.1							8.0	7.1
SW	1.7	2.0	1.9	.6	.2							6.5	6.4
WSW	1.6	2.0	.7	.1	.2							4.5	5.1
W	.5	1.2	.3	.2								2.2	5.2
WNW	.7	1.1	.9	.3								2.9	6.5
NW	.5	1.1	1.1	.2	.1							2.9	6.6
NNW	.7	1.6	1.4	1.6	.3							5.5	3.9
VARBL													
CALM												27.0	
	15.2	23.9	20.6	10.5	1.6	.5						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10947

MARSHALL AAF KS

66-71, 75-79

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.6	4.1	2.6	.2	.1						11.1	4.4
NNE	1.7	2.1	2.0	.7	.1	.0						6.6	6.5
NE	1.2	1.9	1.5	.5	.0							5.2	6.1
ENE	.8	1.0	.7	.3	.0	.0						2.8	6.1
E	.9	1.0	.9	.4								3.0	6.1
ESE	.5	.6	.6	.2	.0	.0						1.8	6.7
SE	.5	.6	.6	.5	.1	.5						2.4	7.5
SSE	.4	.8	.9	.6	.2	.1						3.1	7.1
S	1.1	1.6	1.9	1.4	.5	.2						7.9	8.7
SSW	1.9	2.3	2.4	2.3	.5	.0						9.4	8.0
SW	1.6	3.1	2.1	1.0	.2	.0						7.9	6.7
WSW	.9	1.8	1.0	.2	.0							3.9	5.7
W	.8	1.4	.9	.4	.0							3.6	6.2
WNW	.7	.9	1.1	.6	.1	.0						3.4	7.4
NW	.4	1.3	1.5	.9	.1	.3						4.2	8.2
NNW	.6	1.5	1.9	1.3	.2	.0						5.6	8.3
VARBL													
CALM												18.7	
	15.5	25.0	24.1	13.9	2.3	.6						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

182

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17-47 STATION MARSHALL AAF KS 66-71, 75-79 YEARS FEB NORTH
STATION NAME CLASS 0000-0200
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.8	2.9	2.2	.3							5.8	6.2
NNE	2.5	1.7	1.4	1.2								5.5	6.5
NE	1.6	1.2	2.0	.3								5.2	6.1
ENE	.9	1.1	1.4	.1								5.4	6.1
E	.4	.8	1.4	1.1	.1							3.8	6.9
ESE	.5	.1	.3	.3								1.3	6.5
SE	.2	.5	.5	.6	.1							2.0	5.7
SSE	.5	.6	.8	1.1	.2	.3						3.5	7.6
S	2.6	1.2	.9	1.0	.2	.1						5.9	6.5
SSW	1.3	3.3	2.2	2.5	.4							9.4	7.9
SW	2.0	2.2	.9	.8	.1							5.9	5.8
WSW	1.0	1.1	.1	.1								2.3	4.1
W	.6	.6	.5	.4								2.3	5.1
WNW	.1	.5	.4	.2								1.3	7.8
NW	.6	1.0	1.2	.4								3.2	7.1
NNW	.5	1.7	1.3	1.0	.3							4.5	6.6
VARBL													
CALM												70.1	
	17.1	19.1	18.2	13.2	1.9	.4						103.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13-47

MARSHALL AAF KS

06-71,75-79

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1300-0500

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.6	4.1	2.4	.3	.1						11.2	6.2
NNE	2.2	1.6	1.5	.9								6.1	6.2
NE	.6	1.5	1.6	.3								4.1	6.5
ENE	.6	1.5	1.5									3.7	6.1
E	.6	.9	1.4	.6								3.5	7.5
ESE		.8	.8	.4	.2							2.2	9.5
SE	.5	.5	1.0	.2	.2							2.5	7.6
SSE	.2	.4	.3	.3	.4							1.7	10.6
S	1.8	1.4	.4	.9	.2							4.7	6.3
SSW	2.3	1.0	2.5	1.1	.1							7.8	6.7
SW	1.7	2.9	2.4	.6	.1							7.7	6.2
WSW	.9	1.7	1.2									3.6	5.4
W	.3	.5	.3									1.4	4.0
WNW	.4	.9	.6	.4								2.4	6.6
NW	.5	.2	1.1	.3								2.2	7.2
NNW	.9	1.7	2.7	1.0	.3							6.0	7.9
VARBL													
CALM												29.0	
	15.4	21.3	22.0	9.5	1.0	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1747 STATION MARSHALL AAF KS 66-71,75-79 YEARS FEB MONTH 1600-2000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	2.6	1.5	.3	.3						3.9	6.3
NNE	1.7	2.3	1.7	1.6								6.6	6.7
NE	1.2	1.7	1.9	.6								5.5	6.5
ENE	.9	1.7	1.1	.3								3.1	6.7
E	.4	.8	1.6	.9	.1							3.8	6.3
ESE	.2	.8	.2	.4								2.2	7.7
SE	.3	.2	.6	.4								1.6	8.2
SSE	.2	.4	.4	.5	.2							1.8	9.6
S	1.1	1.1	.5	.9	.2	.1						3.9	7.0
SSW	2.8	2.3	2.4	.9								5.3	5.8
SW	2.8	4.1	2.2	.9	.1							10.0	5.6
WSW	1.5	1.3	.5	.2								3.5	4.8
W	1.7	.9	.4	.1								2.4	5.2
WNW	.3	.9	.5									1.7	5.6
NW	.5	1.1	.9	.3								2.9	6.7
NNW	1.2	1.3	2.2	1.5	.3	.1						6.6	6.7
VARBL													
CALM												27.4	
	17.6	22.5	19.6	11.1	1.3	.5						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1747 STATION MARSHALL AAF KS 66-71,75-79 YEARS FEB 1966-1968 MONTHS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.4	4.2	2.6	.3	.3						10.3	4.4
NNE	1.7	2.4	1.9	1.1	.1							6.0	5.0
NE	1.1	2.5	1.6	.9								6.0	6.6
ENE	.5	1.1	1.2									2.3	6.1
E	.6	.8	2.2	.9								4.4	8.0
ESE	.2	.4	.5	.8	.2							2.2	7.9
SE	.5	.5	1.2	.3	.1							2.7	7.0
SSE	.5	.3	1.2	1.2	.1							3.3	4.0
S	1.3	1.2	1.4	1.6	.5	.2						6.2	9.3
SSW	1.3	1.2	1.9	2.2	.5							7.1	9.0
SW	1.9	3.5	2.9	2.4								10.8	7.4
WSW	1.5	2.4	2.4	1.3								7.2	6.8
W	.8	1.6	1.5	1.0	.2							5.1	7.8
WNW	.1	.4	.6	.3								1.5	8.6
NW		.8	1.8	.9	.2							3.7	9.7
NNW	.2	1.6	2.5	3.2	.9	.1						8.5	10.7
VARBL													
CALM												11.5	
	12.5	27.0	29.0	20.1	3.2	.6						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 573

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	5.3	3.2	1.7	.1						12.5	10.0
NNE	.2	.8	1.9	1.5	.1							4.5	9.5
NE	.4	2.0	1.3	.3								4.1	6.4
ENE	1.1	.9	1.6	.5								4.1	7.5
E	.4	.8	2.0	.9								4.1	5.2
ESE	.2	.5	.9	.6	.1							2.4	3.7
SE	.3	.3	.5	.8								1.7	4.1
SSE	.4	1.7	1.8	.9	.3	.2						4.5	7.7
S	.8	1.5	1.9	2.8	.3	.5						7.8	10.2
SSW	.9	1.6	2.2	2.6	.9	.4						8.4	10.5
SW	.9	1.6	4.2	2.2	1.0							9.8	9.5
WSW	.2	2.4	2.7	1.3	.1							5.7	8.4
W	.4	1.3	2.7	1.7	.2							6.3	9.0
WNW	.2	1.6	1.4	.8	.4							4.4	6.9
NW	.1	1.3	2.0	1.6	.2							5.2	9.6
NNW	.1	1.8	3.8	3.2	.8	.1						6.8	10.5
VARBL													
CALM												3.3	
	7.7	21.7	35.2	24.8	5.5	1.4						170.0	4.1

TOTAL NUMBER OF OBSERVATIONS

93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947 MARSHALL AAF KS 66-71,75-79

STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

MOON 15 0-1700

MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.7	6.0	3.8	.9	.1						14.3	9.8
NNE	.5	1.3	1.7	.9	.2							4.6	8.1
NE	.6	1.8	1.5	.3		.1						4.4	7.8
ENE	.4	1.9	1.1	.4								3.9	6.8
E	.5	1.4	1.6	1.2	.9							5.1	8.4
ESE	.4	1.7	.8	.4								2.6	8.8
SE	.2	.4	.5	.3								1.6	7.4
SSE	.4	.6	1.2	1.1	.4	.1						3.9	10.2
S	.3	2.2	2.7	2.8	1.4	.4						9.8	11.3
SSW	.3	1.1	1.7	1.6	.5	.2						5.9	10.7
SW	.3	1.1	2.7	2.6	.3							7.0	9.8
WSW	.5	1.6	3.3	1.2	.2							6.9	8.4
W	.0	1.2	2.8	.4	.6							5.9	8.3
WNW	.4	1.4	2.2	.5	.2							4.7	7.9
NW	.3	1.3	2.2	1.8	.3		.1					6.0	9.6
NNW	.3	2.5	3.0	3.3	.6	.3						13.1	10.4
VARBL													
CALM												3.3	
	8.0	23.5	35.0	22.7	6.1	1.3	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1747 MARSHALL AAF KS 66-71,75-79 FEB 1960-2000
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	4.7	3.9	1.9	.2							12.7	6.9
NNE	1.6	1.9	2.7	.9	.1							8.6	6.8
NE	1.4	2.2	.8									4.3	4.7
ENE	.9	1.4	.6	.2								3.1	5.5
E	.9	1.9	2.3	.6	.1							5.5	7.3
ESE	.4	1.2	.5	.1								2.3	5.5
SE	.6	1.0	1.0	.1								2.7	6.0
SSE	.3	.9	1.5	1.0	.1	.1						3.9	9.3
S	1.7	1.8	2.5	1.6	.9	.4						8.9	9.2
SSW	2.2	2.9	1.8	.5	.1							7.4	5.7
SW	1.4	3.4	.4	.2								5.5	4.8
WSW	1.3	1.3										2.6	3.5
W	1.5	1.1	.4	.4								3.4	5.1
WNW	.5	.6	.1	.4	.2							1.9	5.1
NW	1.2	.5	.9	.6	.1							3.3	6.7
NNW	1.1	2.0	2.2	1.3	.1							5.7	7.4
VARBL													
CALM												13.9	
	19.2	28.1	20.8	10.0	1.9	.5						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17447 MARSHALL AAF KS 66-71,75-79 FEB
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.4	4.3	1.6	.2							11.1	7.0
NNE	1.9	2.0	1.4	1.0	.2							6.6	5.8
NE	1.1	1.4	1.0	.4								4.8	6.6
ENE	1.1	2.2	1.0	.1								4.3	4.5
E	1.3	1.3	1.5	.4	.1							4.5	6.7
ESE	.2	.3	.6	.3								1.5	6.4
SE	.5	.1	.9	.2								1.7	7.4
SSE	.3	.6	.8	1.2	.1	.2						3.2	10.4
S	1.5	1.3	1.1	1.0	.5	.1						6.3	9.4
SSW	2.2	1.7	1.6	1.1	.4	.1						7.1	7.3
SW	1.4	1.9	1.0	.1	.2							4.6	5.5
WSW	1.1	1.2	.2									2.5	4.1
W	.5	.3		.6								1.5	7.0
WNW		.5	.3	.4								1.3	8.1
NW	.5	.3	.1	.6								1.3	7.4
NNW	.8	1.0	1.0	1.3								4.0	8.0
VARBL													
CALM												32.6	
	15.1	19.7	17.6	11.4	2.2	.4						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1347 STATION MARSHALL AAF KS 06-71,75-79 YEARS FEB MONTH ALL HOURS (L.S.T.)

STATION NAME CLASS ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.7	4.1	2.4	.5	.1						11.2	6.5
NNE	1.5	1.7	1.6	1.1	.1							5.1	7.0
NE	1.7	1.8	1.6	.4		.1						4.6	6.3
ENE	.8	1.4	1.2	.2								3.5	6.0
E	.7	1.1	1.7	.8	.1							4.4	7.0
ESE	.7	.6	.6	.4	.1							2.1	7.0
SE	.4	.5	.8	.4	.1							2.1	7.7
SSE	.4	.6	1.2	.9	.2	.1						3.3	9.5
S	1.4	1.5	1.4	1.7	.6	.2						6.8	9.1
SSW	1.7	1.9	2.0	1.5	.4	.1						7.7	7.8
SW	1.6	2.6	2.1	1.2	.2							7.7	7.8
WSW	1.7	1.6	1.3	.5	.1							4.4	6.4
W	.8	1.7	1.1	.6	.1							3.5	7.2
WNW	.3	.9	.8	.4	.1							2.4	7.8
NW	.5	.8	1.3	.8	.1		.3					3.5	8.4
NNW	.6	1.7	2.2	2.0	.4	.1						7.1	9.3
VARBL													
CALM												19.5	
	14.2	22.4	24.9	15.4	3.0	.7	.3					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13047 MARSHALL BAF KS STATION NAME YEARS 66-71, 75-79
 CLASS ALL WEATHER
 CONDITION

MAC MONTHS 1000-0000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.3	2.2	1.9								5.1	5.4
NNE	2.7	1.8	2.4	.8	.1							7.4	6.6
NE	1.7	1.8	1.8	.9	.2							6.3	6.2
ENE	.8	2.3	1.7	.7	.1							5.2	7.1
E	.4	.9	1.1	.3								2.5	6.5
ESE	.1	.9	.7	.2	.3							1.7	9.8
SE	.5	.2	1.2	1.4	.2							2.5	15.7
SSE	.4	.8	1.4	1.4	.2	.3	.1	.1				4.5	11.4
S	1.3	.8	.5	3.4	1.7	1.6	.6					7.8	14.5
SSW	1.6	1.5	2.4	1.8	.5							7.8	8.4
SW	1.1	1.5	1.3	.1	.1							4.2	5.7
WSW	.5	1.1	.3	.2								2.1	5.5
W	1.7	1.3	.5	.8	.2							3.4	7.4
WNW	.3	.6	.9	.8	.2							2.9	9.0
NW	.3	.6	1.6	.2	.4	.2						3.2	15.0
NNW	.7	1.0	1.7	.9	.2	.1						4.5	4.4
VARBL													
CALM													
	13.3	17.1	21.8	15.5	4.4	2.2	.7	.1				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1,222

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17-47 STATION MARSHALL AAF KS 06-71,75-79 MAP NORTH
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	2.3	1.2	.6							6.6	7.7
NNE	2.0	2.7	2.3	.8	.1							5.8	6.1
NE	.7	2.0	1.8	1.0								5.4	7.4
ENE	.5	1.5	1.7	.5	.1							4.3	7.3
E	.1	.7	.6	.6								2.0	5.6
ESE	.6	.3	.4	.2	.4	.1						2.3	5.2
SE	.2	.9	.7	1.3	.3							1.3	6.7
SSE	.4	.5	.6	.9	.2			.1				2.6	10.3
S	1.3	1.3	1.2	2.2	1.2	1.1						4.7	12.1
SSW	1.9	1.6	1.4	2.3	.6							7.7	4.7
SW	1.5	2.2	1.1	.3	.4							5.4	6.1
WSW	1.5	1.1	.7		.1							3.3	6.7
W	.5	.8	1.2	.7	.2	.1						3.3	4.3
WNW		.7	.7	.5	.1	.1	.1					3.2	10.5
NW	.5	.7	.9	.7		.2						2.5	5.6
NNW	.4	.5	2.3	.5	.4							4.7	4.2
VARBL													
CALM												2.7	
	14.2	16.9	19.4	14.6	4.5	1.6	.1	.1				100.7	6.1

TOTAL NUMBER OF OBSERVATIONS 1,122

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
370 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947 MARSHALL AAF WS 66-71,75-79

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

MAC NORTH
600-2800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	3.3	2.4	.5							6.3	9.0
NNE	2.0	2.1	2.1	.6								6.7	8.0
NE	2.3	2.4	1.5	1.3								7.3	6.1
ENE	.9	1.7	1.1	.2	.1							3.8	6.7
E	.6	.9	1.4	.3	.1							3.3	7.7
ESE	.2	.3	.5	.3	.3							1.7	9.6
SE	.1	.4	.5	.8	.1	.1						2.2	10.8
SSE	.1	.5	.6	1.1	.4	.1						3.7	11.9
S	1.3	.9	1.2	2.4	1.1	.6	.2					7.6	11.9
SSW	1.0	1.6	1.7	1.7	.5	.4						7.8	6.1
SW	1.9	2.4	1.4	.6	.4	.1						6.8	6.5
WSW	.2	.9	1.0	.5								3.1	6.5
W	.6	1.0	.8	.9								3.2	7.3
WNW	.1	.5	.6	.4	.4	.1						3.3	11.4
NW	.2	.6	1.4	1.0	.2							3.3	10.1
NNW	.3	.8	1.8	.6								3.4	7.9
VARBL													
CALM												25.7	
	14.0	19.1	20.8	14.9	4.0	1.4	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1121

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12447
STATION

MARSHALL AAF KS
STATION NAME

66-71, 75-79
YEARS

MAR
MONTH

ALL WEATHER
CLASS

900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	4.4	4.3	.0							11.7	11.4
NNE	.8	1.2	2.7	.8	.1							6.6	7.7
NE	.6	1.9	2.5	1.5								6.5	7.7
ENE	.7	2.1	1.1	1.0								4.4	7.6
E	.3	.9	2.5	.7								4.4	8.8
ESE	.3	.9	1.1	.9	.1	.1						3.3	6.7
SE	.2	.4	1.8	.4	.1							2.8	8.6
SSE	.1	.2	1.3	.9	.9	.1						3.3	12.6
S	.5	.6	2.2	3.7	1.7	.7	.2					9.9	12.6
SSW	1.0	.6	.9	2.2	1.4	1.0	.3					7.2	13.7
SW	1.8	1.5	1.7	1.7	.9	.3	.1					7.8	9.7
WSW	.6	2.2	2.6	1.3	.2	.1						7.0	5.3
W	.4	.9	1.4	.9	.5	.1						4.1	9.6
WNW	.2	.7	1.7	1.0	.2							3.7	9.6
NW	.4	.9	1.9	1.3	.4	.2						5.3	10.5
NNW	.2	.8	1.9	2.6	.9							5.4	11.2
VARBL													
CALM												6.7	
	9.1	16.5	31.6	24.9	8.0	2.5	.6					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10047 STATION MARSHALL AAF KS 66-71,75-79 YEARS MONTHS 1200-1400
STATION NAME CLASS HOURS (L.S.T.)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	3.6	4.2	1.2							1.9	10.6
NNE	.6	1.5	3.2	1.7	.1							7.0	2.7
NE	.3	1.7	2.2	.6	.1							4.5	5.0
ENE	.3	1.6	1.3	.6								4.0	6.9
E	.5	1.2	1.4	.7	.4							4.1	5.4
ESE	.1	.4	1.1	.3	.3							2.2	9.5
SE	.2	.3	1.5	.8	.2							2.9	9.8
SSE		1.1	1.3	1.3	.7	.6	.1					5.0	12.8
S	.4	.7	1.5	3.8	2.7	1.7	.1	.1				10.9	15.2
SSW	.5	.4	.6	1.9	1.5	1.7	.4	.2				7.1	17.0
SW	.1	1.5	2.2	2.3	1.2	.6	.1					7.9	12.1
WSW	.5	1.4	2.4	1.3	.6	.1						11.3	9.2
W	.2	1.3	2.2	2.3	.6	.4						6.9	10.9
WNW	.2	1.0	1.4	2.0	.5	.1	.1					5.3	11.4
NW	.1	.8	1.6	2.6	.2	.2						5.8	11.2
NNW		1.1	3.0	2.8	.4	.2						7.5	11.1
VARBL													
CALM												1.6	
	4.9	16.5	30.6	29.1	10.9	5.5	.8	.3				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13047 MARSHALL AAF KS 66-71,75-79 MAP

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

1907-1908

MOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	4.7	3.6	.7		.1					11.0	10.5
NNE	.6	1.6	2.6	1.4								6.2	6.3
NE	.7	1.2	3.1	.6	.2							5.3	5.6
ENE	.1	1.0	1.7	.4	.1							3.2	5.1
E	.2	1.2	1.9	.7								3.8	7.7
ESE		.5	.4	.8								1.7	9.9
SE		.6	.9	.7	.1	.2						2.4	10.7
SSE	.1	.7	1.6	1.8	.4	.1						4.6	10.9
S	.1	.7	2.6	3.4	2.1	2.1	.6					11.5	15.5
SSW	.4	.6	.8	2.3	2.2	.9	.5					7.6	15.0
SW	.4	1.3	2.2	2.4	.7	.1	.2					7.2	11.2
WSW	.4	.9	1.9	1.4	.4	.1						5.0	9.7
W	.5	1.3	2.1	1.4	.0							6.1	7.5
WNW	.3	1.0	1.9	1.3	.3	.1	.1					5.4	11.1
NW	.4	1.3	2.1	3.4	1.3	.1	.2					6.7	11.9
NNW	.3	1.0	2.8	3.1	.7							7.9	10.8
VARBL													
CALM												2.3	
	4.3	16.1	32.9	28.6	10.4	3.6	1.7					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947 MARSHALL AAF KS 66-71,75-79 MAR
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.9	3.4	3.6	2.1	.5							11.5	7.8
NNE	1.6	1.6	2.2	1.4	.1							6.8	7.3
NE	1.2	1.8	1.8	1.0	.2							5.9	7.3
ENE	.4	1.6	1.6	.3								3.8	6.6
E	.3	1.5	2.3	.4								4.4	7.5
ESE	.9	.9	.8	.3	.2							3.0	6.5
SE	.4	.6	1.5	.6								2.5	7.8
SSE	.4	1.6	1.6	1.6	.3	.1						5.8	9.0
S	.9	2.0	3.2	4.2	2.3	.9	.2	.1				13.7	12.4
SSW	1.1	1.5	1.7	1.4	.2	.2						6.0	8.6
SW	1.2	.3	.9	.5	.1							2.8	6.9
WSW	.4	.5	.5	.1								1.5	6.5
W	.6	.8	.7	.9	.2							3.1	8.7
WNW	.6	.8	.7	.8	.3							3.1	8.6
NW	.4	1.5	1.4	1.2	.3	.2	.2					5.1	10.0
NNW	.7	1.5	3.1	1.8	.2							7.2	8.8
VARBL													
CALM												13.7	
	12.7	21.5	26.7	18.3	5.1	1.4	.4	.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17947 MARSHALL AAF KS 66-71,75-79 MAR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.0	3.0	1.5								7.9	7.4
NNE	1.1	2.2	2.2	.7	.1							6.2	6.3
NE	1.2	1.6	3.0	.6								6.9	6.4
ENE	.7	1.9	2.0	.9	.2							5.6	7.4
E	.5	1.3	1.3	.9								3.9	7.8
ESE	.2		.7	.6								1.5	7.3
SE	.4	.7	1.8	.8	.2							3.8	8.5
SSE	.3	.7	1.1	1.8	1.0	.2	.1					5.1	12.4
S	.7	.7	2.0	5.3	2.7	1.1	.5					12.9	14.5
SSW	.9	1.0	1.6	1.3	.3							5.0	8.7
SW	.6	.7										1.3	3.9
WSW	.4	1.1	.6	.1								2.2	5.6
W	.5	.7	1.1	.7	.1	.2						3.2	5.2
WNW		.1	.3	.9	.3							1.6	13.6
NW	.2	.8	1.8	.5	.2	.2	.2					3.8	10.8
NNW	.2	.6	2.2	.4	.1		.3					3.7	10.3
VARBL													
CALM												25.5	
	9.8	15.7	24.3	16.7	5.2	1.7	1.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12247 MARSHALL AAF KS 66-71,75-79
STATION STATION NAME YEARS
CLASS ALL WEATHER
MONTH ALL
HOURS (L.B.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	3.4	2.6	.5		.0					9.4	9.2
NNE	1.4	1.8	2.5	1.0	.1							6.8	7.1
NE	1.1	1.7	2.2	.9	.1							6.0	7.2
ENE	.5	1.7	1.5	.6	.1							4.3	7.7
E	.4	1.1	1.5	.6	.1							3.5	7.8
ESE	.3	.5	.7	.4	.2	.0						2.1	8.8
SE	.3	.5	1.1	.8	.1	.0						2.9	9.4
SSE	.2	.7	1.2	1.3	.5	.2	.0	.0				4.2	11.5
S	.8	.9	1.8	3.7	1.9	1.2	.3	.0				10.7	13.7
SSW	1.1	1.1	1.4	1.8	.9	.5	.1	.0				7.0	11.3
SW	1.1	1.4	1.3	1.0	.5	.1	.0					5.4	8.8
WSW	.6	1.1	1.2	.6	.2	.0						3.8	7.7
W	.5	1.0	1.2	1.1	.3	.1						4.2	9.3
WNW	.2	.7	1.0	.9	.4	.0	.0					3.3	10.5
NW	.3	.9	1.6	1.4	.4	.2	.1					4.7	10.7
NNW	.3	.9	2.3	1.6	.4	.0	.0					5.6	9.9
VARBL													
CALM												15.9	
	10.3	17.7	26.0	20.3	6.5	2.5	.7	.1				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 8179

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947 MARSHALL AAF KS 66-71,75-79 APR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
MOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	2.3	1.0	.1							6.4	7.1
NNE	1.9	1.8	1.9	.8	.1							5.6	5.1
NE	1.7	1.0	1.3	.2		.1						4.3	5.7
ENE	1.1	1.1	1.8	.8	.1							5.0	7.0
E	.5	1.5	1.3	1.0								4.3	7.7
ESE	.8	1.3	1.2	.6								3.9	6.7
SE	.5	.8	1.3	2.1								4.8	9.7
SSE	.2	.6	2.2	2.5	.9							6.5	11.5
S	.5	.7	2.4	3.5	3.1	.4						10.7	13.7
SSW	1.3	.7	1.1	2.5	.5							6.7	10.7
SW	1.3	1.4	.4	.6	.1							3.9	6.5
WSW	1.3	1.1	.4	.1	.1							3.0	5.0
W	.5	.5	.8	.1	.1							2.0	6.6
WNW	.1	.5	.1	.1	.2							1.0	5.8
NW	.1	.2	.3	.8	.4	.2						3.0	13.7
NNW	.4	.6	1.0	.9	.2							3.1	4.1
VARBL													
CALM												26.3	
	13.5	15.7	20.0	17.8	6.2	.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 989

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13-47

MARSHALL AAF KS

66-71, 75-79

APP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.8	1.6	.9								0.2	0.4
NNE	2.1	2.0	1.7	.5	.2							6.2	5.7
NE	2.1	1.9	2.6	.3								6.4	5.0
ENE	.9	1.5	2.4	.4								5.3	0.7
E	1.5	.8	1.2	1.1								4.2	7.4
ESE	.5	.8	1.1	.6								3.1	7.3
SE	.2	.8	.7	2.3	.3							4.3	11.1
SSE	.2	.4	1.2	2.4	.3	.1						4.6	12.2
S	.4	1.2	1.5	2.4	1.9	1.0						9.5	13.4
SSW	.7	1.7	1.6	2.3	.3		.1					0.8	9.6
SW	.4	1.2	.5	.5								3.5	6.2
WSW	.8	1.2	.8	.3	.3							3.4	6.0
W	.6	.7	.6	.3	.1							2.3	0.8
WNW	.7	.1	.9	.6	.3							2.5	4.8
NW	.4	.1	.5	.3	.5							1.8	10.3
NNW	.5	1.5	.9	.8	.2							3.9	7.6
VARBL													
CALM												25.4	
	13.7	17.9	19.7	17.2	4.4	1.1	.1					100.0	0.3

TOTAL NUMBER OF OBSERVATIONS

99

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12547

MARSHALL AAF KS

66-71,75-79

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	2.8	.8								6.8	7.1
NNE	1.8	2.1	1.3	.2								5.5	5.1
NE	2.0	1.6	1.6	.4								6.7	5.9
ENE	.7	1.7	2.5	.7								5.7	7.2
E	1.3	1.3	2.4	.7								5.8	6.9
ESE	.1	1.1	.6	.8	.4							3.5	7.6
SE	.4	.9	2.0	2.2	.4							6.3	10.2
SSE	.6	.4	1.0	2.5	.3	.1						5.0	13.6
S	.4	1.3	1.1	3.2	1.7	1.0						6.8	13.6
SSW	.7	.8	1.4	3.7	.9	.1						7.7	11.7
SW	1.1	1.1	.7	.8	.4							4.1	8.0
WSW	.2	.9	1.2	.3								2.6	7.2
W	.5	.9	.8	.5	.1							2.8	7.2
WNW	.3	.6	.4	.5	.2							2.0	3.9
NW	.4	.2	.6	1.1	.4							2.7	10.7
NNW	.7	1.4	1.6	1.1	.7							5.2	8.4
VARBL													
CALM												20.6	
	12.4	19.5	22.3	19.7	5.2	1.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

988

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17.47 MARSHALL AAF KS 66-71, 75-79 APR 1977-1100
STATION NAME YEARS MONTH HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	3.7	2.2								7.6	9.2
NNE	.9	.7	2.8	1.9	.1							8.5	9.5
NE	.6	2.5	1.6	1.1								5.4	7.5
ENE	.7	1.7	1.2	1.5								5.2	7.9
E	.2	1.3	3.0	1.6	.4							8.0	8.8
ESE	.4	.9	2.1	.3	.4	.1						4.3	5.5
SE	.6	.6	1.5	1.6	.3	.1						4.5	10.0
SSE	.2	1.3	1.5	2.2	.9	.7						6.4	11.5
S	.7	.7	1.9	4.3	1.9	1.1	.4					11.0	14.2
SSW	.7	.5	.7	2.3	4.3	1.2	.1					9.8	15.8
SW	.5	1.0	1.3	2.5	1.6	.1						7.1	12.0
WSW	1.1	1.9	.9	1.2	.3	.2						5.7	8.4
W	.5	.7	.8	.7	.4							3.1	9.4
WNW		.5	.9	.8	.3	.1						2.6	11.3
NW		.3	1.4	1.8	.5							4.0	11.7
NNW	.7	.4	2.6	1.4	.6	.2						5.6	11.1
VARBL													
CALM												3.0	
	7.7	16.6	29.1	27.6	12.0	3.3	.5					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17-47	MARSHALL AAF KS	66-71, 75-79	1980
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1207-1400
CLASS			HOURLS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	3.2	2.1	.1							6.3	9.7
NNE	.5	.9	2.6	1.9								5.2	8.8
NE	.5	1.1	1.9	.8								4.3	7.5
ENE	.1	1.3	2.9	1.4	.1							5.3	9.1
E	.4	1.1	2.5	1.8	.2							6.1	9.2
ESE	.3	1.0	1.1	.4	.1							2.9	7.9
SE	.1	.6	1.8	1.3	.6							4.4	11.1
SSE	.7	1.2	1.5	2.1	.0	.1						6.6	10.9
S	.6	1.3	2.9	4.6	2.9	1.7		.1				14.2	13.9
SSW	.6	.4	1.6	2.3	2.3	2.0	.3					10.1	15.9
SW	.3	.3	1.2	2.1	1.1	.5						6.1	12.6
WSW	.3	.6	1.4	2.0	.3	.4						5.1	11.6
W	.4	1.0	1.7	2.2	.1	.1						5.6	9.8
WNW		.6	1.1	1.8	.2	.1						3.8	11.3
NW		.6	1.8	2.2	.4	.1						5.2	11.7
NNW	.2	.7	2.9	1.5	.5	.2						6.1	10.7
VARBL													
CALM												1.1	
	2.3	14.5	32.4	32.7	10.4	5.3	.3	.1				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 289

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1747 MARSHALL AAF KS 66-71,75-79 240
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
100-1700
MOUSE (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.1	1.4	3.0	2.5	.1		.1					7.0	10.0
NNE	.7	1.3	1.3	1.2	.2							4.0	8.0
NE	.5	1.5	1.7	1.2								5.0	8.0
ENE	.8	1.0	2.4	.5								4.0	7.0
E	.3	1.1	2.7	1.9		.1						3.7	9.0
ESE	.2	1.1	.9	.8	.2							2.0	8.0
SE	.2	.5	2.3	2.3	.6	.2	.1					3.7	12.0
SSE		.6	2.1	2.2	.5							3.0	10.0
S	.1	.7	2.2	5.0	3.4	.6	.1					10.1	14.0
SSW	.2	.7	1.5	2.8	2.6	2.0	.1					10.4	15.0
SW		.6	1.3	1.5	1.2	.1						4.0	13.0
WSW	.2	1.4	1.3	1.3	.2	.2						5.0	10.0
W	.4	.8	1.6	1.3	.4							4.6	8.0
WNW	.1	.6	1.2	2.2	.9	.1						5.0	12.0
NW	.2	1.4	1.1	2.1	.5	.1						5.0	10.0
NNW	.2	.5	2.0	2.2	.4							5.0	10.0
VARBL													
CALM													
	4.3	15.7	30.3	31.2	12.3	3.4	.4					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 280

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10 47 STATION MARSHALL AAF MS 66-71, 75-79 YEARS 1870-1970 MONTH 1870-1970 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.9	1.9	3.4	1.1								7.4	7.4
NNE	.9	1.2	1.4	1.2	.2							4.6	6.7
NE	.4	1.3	1.7	.4	.2							3.2	7.3
ENE	.8	2.4	1.2	.2	.1							4.7	5.6
E	1.5	2.7	2.3	1.7	.1							5.4	7.6
ESE	.7	1.6	1.3	1.3	.2							6.2	6.2
SE	.7	.8	1.9	1.0	.1							4.5	5.1
SSE	.5	1.4	3.7	1.6	.3							7.6	9.7
S	.4	1.6	3.7	5.7	2.0	.2		.1				12.7	12.0
SSW	1.2	1.6	1.4	2.4	.6	.7						7.6	9.8
SW	.5	1.4	.3	.5	.1							2.5	7.1
WSW	.7	.4	.2	.1	.1	.2						1.5	5.3
W	1.0	1.6	.2	.5	.1	.1						2.7	7.1
WNW	.6	1.4	1.0	1.0								4.2	7.5
NW	.8	1.3	1.0	1.2	.4							4.7	6.7
NNW	.6	1.3	1.8	1.0	.2							4.9	5.3
VARBL													
CALM												11.3	
	12.0	23.5	26.5	21.0	4.7	.2		.1				100.3	7.7

TOTAL NUMBER OF OBSERVATIONS 490

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1047 MARSHALL AAF KS 66-71,75-79
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	1.4	.7								5.2	0.5
NNE	1.5	2.0	1.0	1.2								5.6	0.4
NE	1.9	1.0	.2	.4								4.1	0.2
ENE	1.0	1.7	1.1	.8								4.7	0.6
E	1.1	1.7	1.4	.9	.2							5.4	7.2
ESE	1.6	2.6	1.7			.1						6.1	5.6
SE	.3	1.8	2.3	.6	.1							6.2	7.0
SSE	.1	1.3	3.3	2.7	.7	.1						6.3	10.6
S	.3	.8	2.7	5.4	1.5	.1						10.6	12.4
SSW	.2	1.9	1.3	1.2	.7	.2						6.2	9.3
SW	1.1	.5	.7	.3								2.6	5.6
WSW	.7	.6	.3									1.6	4.7
W	.3	.5		.4	.3							1.3	2.3
WNW	.2	.4	.4	.3								1.3	0.1
NW	.2	.4	.3	.6	.2	.1						1.7	11.1
NNW	.2	.7	.9	.6								2.6	8.3
VARBL													
CALM												25.5	
	12.9	19.7	20.2	16.2	3.8	.6						170.2	0.1

TOTAL NUMBER OF OBSERVATIONS 489

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1347
STATION

MARSHALL AAF KS

STATION NAME

66-71, 75-79

YEARS

APD

MOUTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.6	2.8	1.4	.1		.0					5.7	5.1
NNE	1.3	1.5	1.7	1.1	.1							5.6	7.1
NE	1.2	1.4	1.6	.6	.3	.0						4.7	6.6
ENE	.6	1.6	1.9	.8	.0							5.1	7.7
E	.0	1.5	2.3	1.4	.1	.0						6.1	6.1
ESE	.6	1.3	1.3	.6	.2	.0						4.5	7.6
SE	.4	.9	1.7	1.7	.3	.0	.0					5.3	13.8
SSE	.3	.0	2.1	2.3	.6	.1						6.3	10.9
S	.4	1.0	2.3	4.4	2.3	.8	.1	.0				11.4	13.4
SSW	.8	1.0	1.3	2.5	1.6	.7	.1					6.1	12.8
SW	.7	1.0	.6	1.1	.6	.1						4.3	9.8
WSW	.6	1.0	.9	.7	.2	.1						3.6	3.6
W	.5	.8	.8	.8	.2	.0						3.1	1.6
WNW	.3	.6	.8	.9	.3	.0						2.6	10.0
NW	.3	.6	.9	1.3	.4	.1						3.5	10.4
NNW	.4	.9	1.8	1.2	.3	.1						4.7	9.5
VARBL													
CALM												14.5	
	10.3	17.8	25.1	22.7	7.4	2.1	.2	.0				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

7912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1747 MARSHALL AAF KS 66-71,75-79

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

1000-0000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.6	1.2	.3								4.6	5.4
NNE	1.8	1.8	1.6	.2								3.3	3.2
NE	1.9	1.7	.7									4.2	4.2
ENE	1.0	1.1	1.0	.2								3.2	3.6
E	1.5	2.3	1.6	.2								5.5	5.8
ESE	.9	.8	.5	.2	.1							2.5	3.2
SE	.5	1.9	2.4	.8	.1	.1						5.7	7.7
SSE	.5	1.3	2.9	1.5	.1	.2						6.5	6.9
S	.8	2.1	3.2	6.5	.7	.2	.3					13.7	11.4
SSW	1.3	1.9	1.7	.6	.3							5.7	7.0
SW	1.5	1.3	.6	.7	.1							4.1	6.3
WSW	1.5	1.0	.3	.2								2.9	4.4
W	.5	1.0	.6									2.1	5.4
WNW	.1	.3	.4	.1								.9	7.1
NW	.1	.4	.5	.2								1.2	7.2
NNW	.3	.9	.7	.3	.1							2.3	7.6
VARBL													
CALM												23.6	
	15.5	21.0	19.7	11.9	1.5	.5	.3					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1019

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1947 MARSHALL AAF KS 66-71,75-79 MAY
STATION MONTH
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1900-0000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	1.3	.6								4.1	6.5
NNE	2.5	1.3	1.4	.4								5.5	5.2
NE	1.7	1.4	.9									3.9	4.7
ENE	1.2	1.5	.9	.3								3.8	5.3
E	1.3	1.6	1.1	.1	.1							4.1	5.5
ESE	.6	.7	1.0	.1	.1							2.5	6.3
SE	.9	1.8	1.3	.5		.1						4.5	6.3
SSE	.7	1.4	2.0	1.0	.2							4.7	8.9
S	1.5	2.3	3.6	3.0	.8	.1						11.3	9.2
SSW	2.5	1.8	1.2	1.5	.4	.1						7.4	7.3
SW	1.8	1.5	.7	.4								4.3	5.0
WSW	.6	1.2	.3	.4								2.5	5.9
W	.6	.9	.9	.2								2.8	5.0
WNW		.4	.5									.9	6.3
NW	.1	.5	.5	.3								1.4	7.5
NNW	.8	1.2	.8	.1								2.5	5.4
VARBL													
CALM												73.8	
	17.2	20.2	18.2	8.8	1.6	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 1019

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947 MARSHALL AAF KS 66-71,75-79 MAY

STATION STATION NAME YEARS MONTH

ALL WEATHER 6600-0800

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	2.3	.8								6.1	6.9
NNE	1.8	1.3	1.3	.4								4.7	5.6
NE	1.9	1.3	1.5	.1								5.0	5.2
ENE	1.3	1.1	1.8	.3								4.4	5.9
E	.9	.8	1.3	.5	.1							3.6	7.2
ESE	.8	.8	.3	.4								2.3	5.5
SE	.7	1.4	.9	1.0								3.4	7.5
SSE	1.1	1.4	1.8	1.0								5.2	7.3
S	1.2	1.9	2.7	4.0	1.0							10.8	10.0
SSW	1.6	2.0	2.8	1.7	.4							8.4	8.1
SW	1.4	2.0	1.2	.5	.1							5.1	6.1
WSW	.9	1.3	1.3	.1								3.5	5.7
W	.9	.7	.8									2.3	5.0
WNW	.4	.9	1.2	.1								2.5	6.5
NW	.4	.3	1.0	.1	.1							1.9	7.6
NNW	.6	1.3	1.4	.2								3.4	6.4
VARBL													
CALM												26.9	
	16.6	20.1	23.6	11.2	1.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1020

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1947 STATION MARSHALL AAF XS 66-71, 75-79 YEARS MAY
STATION NAME NORTH
ALL WEATHER 0900-1100
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	3.5	1.4								5.4	7.4
NNE	1.6	1.0	1.5	.4								4.4	5.3
NE	1.2	1.3	2.7	.4								5.3	6.1
ENE	.6	.9	2.6	.5								4.6	7.3
E	1.0	1.6	1.7	.7	.2							5.1	7.3
ESE	.4	1.3	1.9	.7	.1							4.3	7.9
SE	.5	.8	1.0	1.1	.1							3.4	8.5
SSE	.9	1.7	1.7	1.4	.3							5.9	8.5
S	.7	1.4	4.0	5.6	1.9	.2						13.7	11.6
SSW	.3	1.5	2.5	4.3	1.1	.5						10.2	11.9
SW	.8	1.6	2.2	2.7	.5							7.7	9.8
WSW	.6	1.7	2.2	.9								6.5	7.3
W	.9	1.7	1.7	.6								4.5	6.4
WNW	.4	.1	1.5	1.0								2.9	9.3
NW	.3	.6	1.1	.7	.1							3.7	9.6
NNW	.2	1.7	1.7	.8								4.3	7.7
VARBL													
CALM												6.8	
	11.6	21.2	32.5	23.0	4.2	.7						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17947 MARSHALL AAF KS 66-71,75-79 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.5	2.9	2.0								3.6	7.9
NNE	.6	1.5	1.6	.4								4.0	6.5
NE	1.1	2.1	1.7	.6								5.4	6.2
ENE	.6	1.7	1.6	.4								4.2	5.7
E	.5	1.6	2.4	.5								5.0	7.2
ESE	.2	1.5	.9	.6								3.1	7.2
SE	.5	.8	1.8	1.0	.1							4.1	8.5
SSE	1.0	1.3	2.2	1.4	.3	.1	.1					6.4	9.3
S	.7	1.8	4.6	8.2	1.8	.3						17.3	11.6
SSW	.3	1.0	2.9	3.6	2.3	.7						13.9	13.5
SW	.5	1.1	2.3	2.8	.7	.1						7.5	10.4
WSW	.5	1.5	1.5	1.3	.3							5.0	8.8
W	.4	1.4	2.0	.8	.3							4.8	8.4
WNW	.2	.4	1.0	.5	.2							2.2	9.3
NW	.7	.7	1.7	1.3								4.3	8.4
NNW	.2	.9	1.4	1.4								3.8	9.1
VARBL													
CALM												3.4	
	7.0	21.4	32.4	26.6	6.0	1.2	.1					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13447
STATION

MARSHALL AAF KS

STATION NAME

66-71, 75-79

YEARS

MAY

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	3.5	.9	.1							6.1	7.3
NNE	1.0	1.7	1.5	.2								4.3	6.1
NE	.6	2.0	1.9	.6								5.0	5.9
ENE	.7	1.9	1.6	.6								4.7	5.5
E	1.3	1.4	1.9	.6								5.1	6.7
ESE	.6	.4	1.7	.4	.1							3.1	7.8
SE	.3	.9	2.4	.9	.1							4.5	8.6
SSE	.3	1.6	2.6	2.5	.3							7.3	9.9
S	.5	2.0	5.0	7.1	2.1	.5						17.0	11.5
SSW	.7	.9	2.0	4.1	1.5	.5						9.6	12.7
SW	.4	1.5	1.8	1.2	.3	.3						5.4	9.7
WSW	.4	1.0	1.2	.9								3.4	5.1
W	.8	1.7	2.0	1.1	.4							5.0	8.1
WNW	.7	.7	2.1	.7	.4	.1						4.2	9.7
NW	.3	.6	1.9	.7	.3							3.7	9.1
NNW	.3	1.1	1.6	1.5	.1							4.5	9.1
VARBL													
CALM												4.0	
	9.4	21.5	34.3	23.8	5.6	1.4						106.0	8.8

TOTAL NUMBER OF OBSERVATIONS

1021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947 MARSHALL AAF KS 66-71,75-79 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1900-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	2.2	.5								3.4	6.5
NNE	1.5	.9	1.2	.7	.1							4.3	6.5
NE	1.3	2.4	1.0	.1								6.1	5.7
ENE	.9	2.3	1.2	.3	.1							4.7	6.7
E	1.0	2.5	.8	.3								4.5	5.5
ESE	1.2	1.4	.1	.3								2.9	4.7
SE	1.0	2.4	2.4	.2	.1							5.0	6.3
SSE	1.3	3.1	3.5	1.6	.3	.1						9.9	7.7
S	1.6	3.5	4.7	4.9	1.0	.2						15.9	9.5
SSW	1.1	2.4	1.8	1.4	.7							6.5	7.9
SW	1.3	1.6	.8	.2	.1							3.6	6.0
WSW	.5	1.2	.4									2.1	4.2
W	.9	.7	.8	.3	.1							2.7	6.4
WNW	1.0	.9	1.3	.1	.1							3.3	6.3
NW	.5	.6	1.3	.3								2.6	7.5
NNW	.3	1.7	1.0	.7								3.6	7.4
VARBL													
CALM												15.3	
	16.3	29.0	25.1	11.9	2.2	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1247 STATION MARSHALL AAF KS 66-71,75-79 YEARS MONTH DAY 2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.8	1.2	.1								4.0	5.7
NNE	1.3	1.7	.7	.3	.3							4.2	6.1
NE	.7	1.8	1.4									3.8	5.6
ENE	1.1	1.5	.8	.2	.1							3.6	5.5
E	1.5	2.0	.7	.2								4.3	4.9
ESE	1.2	1.4	.5	.1	.1							3.2	5.2
SE	1.0	2.2	2.7	.6								6.5	6.7
SSE	.8	2.5	4.0	3.4	.5	.3						11.6	9.4
S	1.3	2.3	3.6	3.3	.7	.1						11.3	9.6
SSW	1.4	1.7	1.0	1.0	.2							5.2	7.2
SW	1.4	2.1	.5	.3								4.2	4.9
WSW	.4	.3	.3	.1								1.1	6.0
W	.5	.6	.2	.1	.2							1.5	6.8
WNW	.2	.4	.4									1.0	6.3
NW	.2	.5	.3	.2								1.2	6.8
NNW	.3	.5	1.4	.5								2.6	8.1
VARBL													
CALM												30.6	
	14.0	22.9	19.6	10.4	2.1	.4						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1020

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1247 STATION MARSHALL AAF MS 66-71,75-79 YEARS MAY MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	2.3	.8	.7							1.2	6.9
NNE	1.5	1.4	1.3	.4	.7							4.6	5.9
NE	1.3	1.8	1.5	.2								4.8	5.5
ENE	.9	1.5	1.4	.3	.7							4.2	6.2
E	1.1	1.7	1.4	.4	.7							4.7	6.7
ESE	.7	1.0	.8	.3	.1							3.0	6.5
SE	.7	1.5	1.8	.7	.1	.0						4.4	7.4
SSE	.7	1.6	2.6	1.7	.2	.1	.0					3.2	6.8
S	1.0	2.1	3.9	5.3	1.2	.2	.0					13.6	10.7
SSW	1.1	1.6	2.0	2.3	.8	.2						8.0	9.9
SW	1.1	1.6	1.7	1.1	.2	.0						5.3	7.6
WSW	.7	1.1	.9	.5	.2							3.2	6.8
W	.7	1.1	1.1	.4	.1							3.3	6.9
WNW	.3	.5	1.0	.3	.1	.0						2.3	8.0
NW	.3	.5	1.0	.5	.1							2.4	6.1
NNW	.4	1.1	1.2	.7	.7							3.4	7.7
VARBL													
CALM												13.8	
	13.7	22.2	25.7	15.9	3.1	.6	.0					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 9166

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10047 STATION MARSHALL AAF KS 66-71, 75-79 YEARS JUN MONTH
1000-0400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	1.0	.4								2.9	6.1
NNE	.6	.7	.4									1.7	4.5
NE	1.5	1.0	.3	.1								2.9	4.5
ENE	.7	1.1	.3									2.1	4.1
E	.7	.6	.6	.2								2.1	5.8
ESE	.6	1.2	.3	.2								2.3	5.5
SE	.7	1.8	1.7	.7	.1							5.1	7.3
SSE	.6	1.9	3.6	2.7	.9							9.8	9.7
S	1.2	2.9	5.6	8.3	1.6	.2						19.8	11.0
SSW	1.1	1.5	1.8	1.8	.3							6.7	8.1
SW	1.1	.7	.7	.2	.2	.1						3.0	7.0
WSW	.4	.3	.2	.1	.1							1.1	6.5
W	.2	.4	.6	.2								1.4	7.1
WNW	.2	.2	.2									.5	5.5
NW	.2	.2	.4	.1								.9	7.8
NNW	.6	1.2	.1	.1								2.0	5.1
VARBL													
CALM												35.4	
	11.3	16.7	17.9	15.2	3.2	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 989

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
477 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1747
STATION

MARSHALL AAF KS

STATION NAME

66-71,75-79

YEARS

JUN

MONTH

ALL WEATHER

CLASS

1747-1749

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.5	.8	.4								4.1	2.0
NNE	1.7	.6	.2	.1								2.1	3.0
NE	1.9	1.4	.4									1.7	3.0
ENE	.3	.5	.2									1.1	.2
E	1.4	1.5	.5									2.8	4.7
ESE	1.1	.9	1.1	.2								3.1	5.0
SE	.4	1.0	.7	.2								2.7	4.1
SSE	.2	1.1	2.2	2.0	.4	.1						6.1	10.3
S	2.6	2.5	4.9	5.1	2.1	.1						17.1	7.4
SSW	1.7	2.4	2.4	.7	.2							7.5	5.0
SW	1.5	1.9	.9	.1	.3							4.7	1.6
WSW	.5	1.1	.3	.2		.1						2.3	0.1
W	.2	.4	.5	.1								1.2	0.6
WNW	.5	.3	.3	.2								1.3	0.1
NW	.2	.3	.3		.1							.2	1.1
NNW	.3	.4	.6									1.3	5.0
VARBL													
CALM												3.7	
	15.1	13.0	16.4	9.3	3.0	.2						170.0	4.5

TOTAL NUMBER OF OBSERVATIONS

497

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17-47 STATION MARSHALL AAF KS STATION NAME 66-71, 75-79 YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	1.1	.5								1.3	6.1
NNE	1.1	1.2	.5	.1								2.9	4.7
NE	1.0	1.7	.3	.2								3.2	4.8
ENE	1.0	.8	.6	.1	.1							3.5	5.5
E	.9	.8	.5	.2								2.8	5.4
ESE	.5	.9	.8	.1	.1							2.4	6.0
SE	.2	1.7	1.8	.6	.1							4.5	7.7
SSE	.9	.9	2.7	1.6	.3	.1						6.5	9.7
S	1.9	2.8	4.5	6.0	1.6	.3						17.4	10.4
SSW	1.4	2.7	3.6	3.5	.1							11.4	8.6
SW	2.2	2.3	1.3									5.9	4.7
WSW	.4	1.2	.4	.3								2.3	5.9
W	.7	1.2	.5	.1								2.5	5.0
WNW	.2	.7	.1	.1								1.1	5.2
NW	.2	.3	.3									.9	5.4
NNW	.3	.9	.8	.1								2.1	6.1
VARBL													
CALM												28.3	
	14.1	21.6	19.4	13.6	2.6	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 966

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12947

MARSHALL AAF WS

65-71,75-79

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1950-1100

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	2.8	.6								6.1	7.7
NNE	.2	1.5	1.5	.1								3.4	6.7
NE	.5	1.3	1.0									2.5	6.7
ENE	.4	1.1	1.1	.1								2.7	6.4
E	.2	1.0	1.5	.2								3.5	6.4
ESE	.4	1.4	.6	.3	.2							2.9	6.9
SE	.4	.5	.9	.9	.3							3.6	9.4
SSE	.5	1.6	2.3	3.3	.6							6.4	10.1
S	.9	2.5	6.6	7.8	3.4	.2	.1					21.6	11.7
SSW	.9	1.8	5.3	5.9	1.4	.3						15.6	10.6
SW	1.0	1.2	3.0	.9	.2							6.4	6.5
WSW	1.0	2.5	1.7	.3	.1							5.7	6.3
W	.5	1.0	.4	.3								3.0	5.7
WNW	.3	.3	.5	.4								1.5	7.1
NW	.3	.5	.4	.5								1.7	8.1
NNW	.3	1.1	1.3	.4								3.1	7.1
VARBL													
CALM												3.4	
	9.8	21.4	31.5	22.1	6.3	.5	.1					107.6	6.3

TOTAL NUMBER OF OBSERVATIONS

988

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1747 STATION MARSHALL AAF MS 66-71,75-79 YEAR MONTH 17-18-19 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	3.6	.2								8.3	7.1
NNE	.1	.9	2.5	.1								3.6	7.6
NE	1.0	.9	1.0	.1								3.0	5.6
ENE	.6	1.6	1.0									3.2	5.0
E	.9	1.4	1.2									3.5	5.5
ESE	.2	.9	1.5	.5	.1							3.1	5.7
SE	.5	1.1	2.0	1.3	.1							3.1	5.7
SSE	.2	1.8	3.4	3.9	.6							10.5	9.9
S	1.2	1.1	6.2	10.3	4.0	1.4						21.3	12.3
SSW	.6	1.9	3.8	4.8	1.3	.1						12.6	11.2
SW	.5	1.3	2.2	1.3	.2							5.6	6.7
WSW	.3	1.4	.9	.2								2.7	5.4
W	.3	.6	1.0	.2			.1					2.2	5.2
WNW	.5	.7	.7	.5								2.4	6.4
NW	.3	.7	.9	.5								2.4	7.6
NNW	.3	1.0	1.6	.2								3.1	7.2
VARBL													
CALM												4.0	
	8.8	21.3	33.7	24.2	6.4	1.5	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 988

U.S. AIR FORCE CLIMATE DATA BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17-47

MARSHALL AAF MS

66-71, 75-79

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1966-1979

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	2.4	.6								5.5	6.5
NNE	.7	1.4	2.3	.2								4.7	6.7
NE	1.1	1.2	1.5	.3								4.1	6.3
ENE	.6	2.1	.4	.1								3.2	5.5
E	.7	2.0	1.6	.2								4.5	5.5
ESE	.4	2.0	1.1	.4								4.4	7.5
SE	.2	.5	1.6	1.4								4.1	5.1
SSE	.6	1.9	4.0	4.3	.0							12.0	13.2
S	.8	2.3	8.4	12.3	4.7	.7						39.3	12.3
SSW	.8	1.2	2.7	2.8	.9	.1						9.6	15.4
SW	.4	.8	.6	.5	.3	.1						3.5	9.4
WSW	.1	.4	.4	.2								1.1	5.2
W	.5	.7	.8	.1								2.1	5.7
WNW	.4	.8	.4	.3								1.9	6.3
NW	.6	1.3	1.0	.2								3.1	5.8
NNW	.8	1.5	1.5	.4								4.3	6.3
VARBL													
CALM												3.4	
	10.2	22.6	31.3	24.8	6.3	.9						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17447 STATION MARSHALL AAF KS 66-71,75-79 YEARS JUN 1900-2000 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.6	1.5	.2	.1							4.6	8.0
NNE	1.1	1.8	.8									3.5	4.7
NE	1.7	1.0	1.2									4.0	4.6
ENE	1.2	1.3	1.1	.1								3.5	5.7
E	1.2	3.2	.7	.1								5.2	4.9
ESE	1.0	1.4	1.0	.3								3.8	5.5
SE	.9	2.5	1.2	1.4	.1	.1						6.3	7.5
SSE	1.3	4.9	6.0	4.2	2.7							18.4	9.4
S	1.3	4.2	8.4	7.9	2.1	.1						24.1	10.2
SSW	.5	.9	1.6	.6								3.7	7.6
SW	.2	.3	.5			.1						1.1	5.1
WSW	.1											.1	2.0
W	.4	.3	.2									.9	4.7
WNW	.4	.3	.4	.1								1.2	6.1
NW	.5	.8	.3	.1								1.8	4.9
NNW	1.3	1.0	.5	.3								3.2	5.2
VARBL													
CALM												14.2	
	14.5	25.6	25.6	15.3	4.4	.3						177.2	5.7

TOTAL NUMBER OF OBSERVATIONS 984

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1947

STATION

MARSHALL AAF KS

STATION NAME

66-71, 75-79

YEARS

JUN

MONTH

ALL WEATHER

CLAS

1100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.6	.7	.3								2.6	5.3
NNE	.9	1.0	1.0	.1								3.0	5.1
NE	1.2	1.1	.7	.2								3.2	4.3
ENE	1.2	1.1	.5	.1								2.9	4.5
E	1.1	1.3	.5	.1								3.0	4.9
ESE	1.7	2.0	.6	.2								4.5	4.5
SE	.9	3.8	2.2	.7	.1							7.7	6.6
SSE	1.1	2.9	7.9	5.8	1.2	.1						11.1	5.7
S	.9	1.5	4.4	7.7	2.7	.2						16.7	11.8
SSW	.7	.8	.8		.2							2.5	6.9
SW	.6	1.3	.3	.3	.1							2.6	6.7
WSW	.2	.1	.1	.2								.6	7.7
W		.4	.1									.3	5.4
WNW	.7		.2	.2								.6	3.3
NW	.7	.4	.4	.2								1.2	6.6
NNW	.5		.4	.1	.1							1.1	7.3
VARBL													
CALM												27.6	
	12.6	18.5	20.9	16.2	3.5	.3						100.7	6.6

TOTAL NUMBER OF OBSERVATIONS

736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13447 STATION MARSHALL AAF KS 65-71,75-79 YEARS JUN MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.7	.4	.1							4.6	5.5
NNE	.8	1.2	1.2	.1								3.2	5.9
NE	1.3	1.2	.8	.1								3.4	5.0
ENE	.9	1.2	.7	.1	.0							2.7	5.3
E	.0	1.5	.9	.1								3.4	5.5
ESE	.7	1.3	.9	.3	.1							3.4	6.2
SE	.5	1.7	1.5	.9	.1	.0						4.8	7.7
SSE	.8	2.1	4.0	3.5	.9	.0						11.3	7.5
S	1.4	2.7	6.1	4.2	2.7	.4	.0					21.6	11.3
SSW	1.0	1.7	2.9	2.5	.6	.1						8.6	9.4
SW	.9	1.2	1.2	.4	.2	.0						4.1	7.1
WSW	.4	.9	.5	.2	.0	.0						2.0	6.4
W	.4	.6	.6	.1			.0					1.7	6.1
WNW	.3	.4	.4	.2								1.3	5.4
NW	.3	.5	.5	.2	.0							1.6	6.6
NNW	.6	.9	.9	.2	.0							2.5	6.3
VARBL													
CALM												17.8	
	12.2	20.7	24.6	17.6	4.6	.6	.0					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 7901

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13447 MARSHALL AAF KS 66-70, 74-79 JUL
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7	.6		.1	.1						2.5	6.0
NNE	2.1	.5	.1		.1							2.6	3.4
NE	.7	1.5	.7									2.8	5.2
ENE	1.4	1.3	.5	.1								3.2	4.5
E	1.1	2.5	.6	.1	.1							4.3	5.1
ESE	.3	1.5	.7									2.5	5.8
SE	.5	2.2	1.8	.6								5.2	6.7
SSE	.4	1.4	4.3	2.0								8.1	3.5
S	1.3	3.8	5.3	8.1	.5							18.0	10.0
SSW	1.8	2.3	4.6	1.5								10.1	7.3
SW	1.6	.9	.2	.1								2.6	4.1
WSW	.2	.4										.5	4.5
W		.3	.1									.4	6.5
WNW	.1											.1	2.0
NW	.2		.2									.4	5.3
NNW	.4	.4		.1								.9	4.4
VARBL												34.7	
CALM													
	12.9	19.4	19.6	12.5	.8	.1						110.0	4.6

TOTAL NUMBER OF OBSERVATIONS 1012

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947 MARSHALL AAF KS 66-70, 74-79 JUL
STATION NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.7	.3	.2								2.3	5.0
NNE	1.9	.7	.5									3.0	3.5
NE	1.5	.8	.6	.1	.1							3.0	5.0
ENE	1.6	1.7	.4	.1								3.0	4.0
E	.5	.7	.3	.1								1.6	4.8
ESE	.4	1.4	.8	.1								2.6	5.4
SE	.5	.6	1.6	.1								2.7	5.9
SSE	.5	1.2	1.6	.3								3.5	6.6
S	2.7	3.1	4.3	3.1	.3	.1						13.7	6.0
SSW	3.4	5.1	2.9	1.5								12.9	5.0
SW	2.3	1.9	.9	.1								5.2	4.3
WSW	1.5	.8	.2									2.4	3.6
W	.4	.4										.8	3.5
WNW	.1											.1	2.0
NW		.3	.3									.6	7.2
NNW	.2	.2	.1									.5	4.5
VARBL													
CALM												42.0	
	18.5	13.7	14.7	5.7	.4	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 1022

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13047 MARSHALL AAF KS 66-73,74-79 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.9	.6		.1							3.1	4.5
NNE	3.0	1.1	.8									4.9	3.7
NE	1.8	2.2	1.3									3.2	4.5
ENE	.8	2.0	.7									3.4	5.1
E	1.3	1.2	.3	.4								3.7	5.1
ESE	.5	.8	.5	.2								2.8	5.9
SE	.3	.7	.8	.2	.1							2.1	7.2
SSE	1.1	1.4	1.2	.4								4.8	5.9
S	2.0	3.1	3.7	2.9	.6							12.4	5.3
SSW	3.0	4.7	5.2	2.9	.1	.1						15.1	7.1
SW	1.9	3.1	2.3	.5								7.8	5.7
WSW	1.6	1.1	.2									2.8	3.8
W	.9	.1										1.0	2.6
WNW	.2	.2										.4	3.0
NW	.3											.2	2.3
NNW	.3	.5	.1									.9	4.6
VARBL													
CALM												27.9	
	20.4	23.6	17.6	7.6	.9	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 1015

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17007 MARSHALL AAF KS 66-70, 74-79 JUL
STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
1970-1979
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.7	1.2	.4								3.6	5.7
NNE	.6	2.0	1.5	.1								4.1	5.3
NE	.7	1.7	2.5	.2								5.2	5.7
ENE	.9	2.4	1.1	.2								4.5	4.6
E	.3	1.7	1.9	.4								4.7	5.4
ESE	.8	1.4	1.2	.6	.1							4.3	7.3
SE	.4	.9	1.8	.5								3.5	7.4
SSE	.6	1.7	1.6	.8	.1							4.7	7.4
S	1.4	3.0	5.1	3.3	1.1							14.8	5.7
SSW	.5	3.7	7.0	7.3	1.7							18.8	10.3
SW	.3	2.9	4.1	2.9	.1							12.4	8.9
WSW	1.2	1.3	2.1	.4								5.4	6.3
W	1.5	2.1	.4									3.9	4.3
WNW	.1	.8										.4	3.5
NW	.4	.1	.6									1.1	5.7
NNW	1.5	.7	.3	.4								2.3	5.1
VARBL													
CALM												7.5	
	13.1	27.5	32.1	17.5	2.4							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1020

SIGNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17-47 MARSHALL AAF MS 66-70,74-79 JUL
STATION MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.8	1.3	.6								4.6	6.1
NNE	.7	1.7	2.3	.2								4.6	6.7
NE	.7	2.3	1.7	.1								4.6	5.9
ENE	.7	1.4	1.8	.2								4.6	6.1
E	1.0	3.0	2.5	.2								3.7	6.5
ESE	.4	2.3	1.3	.2								4.1	6.2
SE	.5	1.3	2.4	.5								4.3	7.0
SSE	.7	3.1	2.6	.9								7.1	6.7
S	1.4	2.8	7.7	7.4	1.1	.1						20.4	5.4
SSW	.5	2.4	4.3	7.3	1.8	.1						15.3	11.3
SW	.1	1.4	2.1	1.8								3.2	9.2
WSW	1.4	1.5	1.1	.6								4.5	6.3
W	.8	.8	.4									2.5	4.2
WNW	.3	.5	.1									.6	4.1
NW	.5	1.7	.4	.1								2.5	5.2
NNW	.4	1.1	1.7	.2								2.7	6.2
VARBL												4.0	
CALM													
	10.8	29.3	32.4	20.1	2.8	.2						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1012

USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1947 STATION MARSHALL AAF MS STATION NAME 66-71, 74-79 YEARS JUL MONTH 1970-1970 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.5	1.2	.2								4.1	5.6
NNE	1.6	2.4	2.5	.3								6.2	5.7
NE	1.1	3.1	1.7	.3								6.2	5.4
ENE	1.1	2.1	1.4	.3								4.8	5.4
E	.6	2.3	2.1	.3								5.2	5.4
ESE	.8	2.7	1.8	.2								4.7	5.3
SE	1.1	2.5	2.2	.6								6.3	5.3
SSE	.7	3.6	4.7	1.7								10.7	7.7
S	.6	4.1	7.5	9.0	2.0							27.2	10.5
SSW	.4	1.2	2.7	5.8	.5	.1						10.7	11.4
SW	.1	1.6	2.1	1.3								5.0	8.8
WSW	.6	1.0	.6		.1							2.3	5.4
W	.2	.4	.1									.7	4.7
WNW	.5	.3	.1									.3	3.0
NW	.5	.7	.4	.1								1.7	5.1
NNW	.7	.9	.2	.1								1.9	4.7
VARBL													
CALM												1.6	
	11.4	29.7	30.5	20.1	2.6	.1						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 1019

AD-A082 420

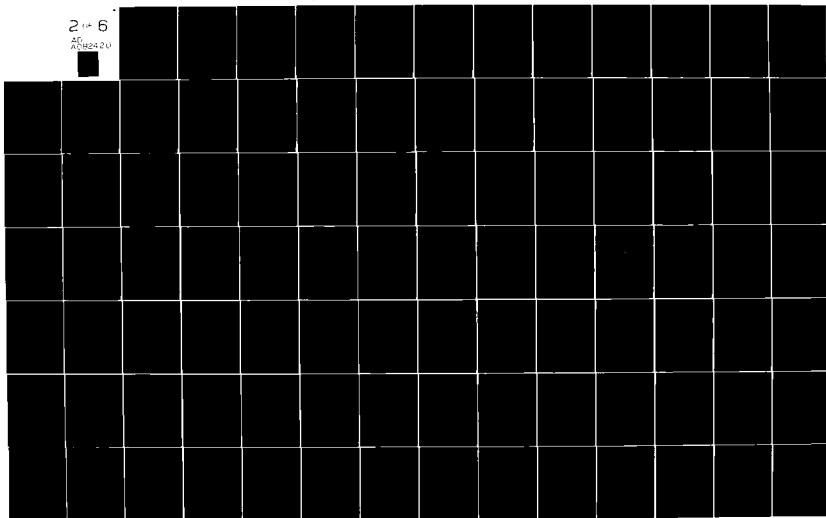
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/2
MARSHALL AAF, MANHATTAN, KANSAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 60
USAFETAC/DS-80/028

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13047

MARSHALL AAF KS

66-70, 74-79

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1967-2000

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	.3	.2		.1						3.3	4.0
NNE	1.1	1.6	1.1	.3								4.0	5.4
NE	1.8	2.7	1.2									5.7	4.8
ENE	2.4	3.2	.8									6.4	4.4
E	3.1	2.8	1.9	.2								5.0	4.8
ESE	1.6	2.3	1.4									4.2	5.8
SE	2.0	4.0	1.5	.5								7.5	5.4
SSE	1.1	5.9	5.2	1.0	.1							13.2	5.8
S	2.2	6.0	8.6	6.8	.6							24.1	5.7
SSW	1.2	1.3	1.4	1.1								4.6	7.4
SW	.4	.4	.2		.1							1.1	5.9
WSW	.2		.1		.1							.4	5.3
W			.1	.1		.1						.3	14.0
WNW	.1	.1	.1									.3	6.0
NW	.4	.1										.5	2.4
NNW	.5	.4	.4	.1								1.4	5.0
VARBL													
CALM												17.3	
	19.2	32.1	24.1	10.2	.9	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

1071

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17547
STATION

MARSHALL AAF KS
STATION NAME

66-70, 74-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5		.2								1.0	5.7
NNE	.7	1.2	.3									2.2	4.5
NE	2.4	1.1	.6									4.1	3.7
ENE	1.3	1.8	.4									3.4	4.4
E	2.5	3.1	.8	.2								6.7	4.4
ESE	2.0	1.6	.9	.1								4.5	4.4
SE	1.0	3.0	2.4	.5								7.3	6.3
SSE	1.1	4.2	7.8	4.0	.1							17.2	6.4
S	.4	1.8	6.5	8.1	1.0							17.7	10.9
SSW	.2	.9	.7	.4	.2							2.4	8.6
SW	.3	.5		.1								.9	5.0
WSW													
W	.1	.2										.3	3.0
WNW													
NW		.1										.1	4.0
NNW	.5	.2	.1	.1								.9	5.2
VARBL													
CALM												31.7	
	12.7	20.1	20.5	13.7	1.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13047 MARSHALL AAF KS 66-73,74-79 JUL
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	.7	.2	.0	.0						3.2	5.5
NNE	1.4	1.4	1.1	.1	.0							4.0	5.1
NE	1.3	1.9	1.2	.1	.0							4.6	5.2
ENE	1.3	1.9	.9	.1								4.1	5.0
E	1.4	2.2	1.3	.2	.0							5.1	5.4
ESE	.5	1.6	1.1	.2	.0							3.7	5.7
SE	.8	1.9	1.8	.4	.0							4.5	6.5
SSE	.8	2.8	3.7	1.4	.0							6.5	7.5
S	1.5	3.6	6.1	5.1	.9	.0						18.2	9.5
SSW	1.4	2.6	3.6	3.5	.4	.0						11.5	8.9
SW	.9	1.6	1.5	.8	.0							4.8	7.1
WSW	.5	.4	.5	.1	.0							2.3	5.5
W	.5	.5	.1	.0		.0						1.2	4.4
WNW	.2	.2	.0									.4	4.2
NW	.3	.3	.2	.0								.3	5.1
NNW	.6	.5	.3	.1								1.5	5.3
VARBL													
CALM												21.1	
	14.9	25.1	23.9	13.4	1.5	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 150

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947 STATION MARSHALL AAF KS 66-70, 74-79 YEARS AUG MONTH 1980-01-01 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.7	.1	.2								0.1	4.3
NNE	1.7	1.3	.7	.1								0.8	4.3
NE	1.2	1.8	.9	.1								4.0	5.7
ENE	1.3	1.3	1.0	.1								3.7	5.1
E	1.0	1.1	.9	.1								3.1	5.7
ESE	.7	1.9	.6	.2								3.4	5.5
SE	.4	1.6	1.8	.5	.1							4.3	7.4
SSE	.4	1.7	3.1	2.8	.2							4.1	9.3
S	1.4	1.7	5.6	8.9	1.2							18.8	10.6
SSW	1.8	1.9	2.9	2.3	.2							9.0	8.0
SW	.7	1.9	.9	.1	.1	.1						3.6	5.8
WSW	.6	.5	.2									1.3	3.8
W	.3	.2										.5	3.0
WNW	.3	.1		.1								.5	5.2
NW		.1				.1						.2	14.0
NNW	.5	.6	.1	.1								1.3	4.8
VARBL													
CALM												32.6	
	13.2	18.1	18.6	15.5	1.8	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1012

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13047 MARSHALL AAF KS 66-70,74-79
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
300-0500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.5	.1	.1	.1							2.6	4.0
NNE	2.5	1.3	.7	.1								4.6	4.0
NE	1.6	1.7	1.1									3.7	4.6
ENE	1.0	1.0	.6									2.6	4.5
E	.9	1.3	.4	.3								2.9	5.1
ESE	.6	.8	.4	.2								2.0	5.3
SE	.4	1.5	1.7	.3								3.9	6.8
SSE	.7	.8	1.2	.6								3.3	6.2
S	2.5	3.3	3.6	3.1	.2							12.5	7.6
SSW	2.1	3.5	4.8	1.2	.2							11.7	7.0
SW	1.5	2.9	1.1	.2								5.7	4.9
WSW	.4	.9	.2	.1								1.6	4.8
W	.7	.1	.1									.9	5.3
WNW	.3	.1										.4	2.0
NW	.4	.3		.1								.8	4.9
NNW	.2	.5	.2	.2	.1							1.2	7.4
VARBL												39.9	
CALM													
	17.4	19.2	16.4	6.4	.6							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 1009

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17947
STATION

MARSHALL AAF KS
STATION NAME

66-70, 74-79
YEARS

AJC
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.7	.7									2.8	4.4
NNE	1.6	.9	1.1									3.5	4.6
NE	2.3	1.3	.7	.3								4.5	4.8
ENE	.9	1.5	.9	.1								3.3	5.3
E	1.5	1.3	1.2									3.9	4.8
ESE	.6	.7	.8									2.1	5.6
SE	.9	.8	1.3	.7								3.5	7.3
SSE	.8	1.3	.9	1.2								4.1	7.5
S	2.1	2.0	3.2	2.3	.3							9.6	8.0
SSW	1.4	4.8	5.8	2.1	.1							14.2	7.4
SW	1.8	3.5	2.1	.6								8.0	5.7
WSW	1.5	.7	.2		.1							2.5	4.2
W	.5	.3	.1	.1								1.0	4.4
WNW	.1	.2										.3	5.0
NW	.5		.1									.6	2.3
NNW	.5	.3	.1									.9	4.0
VARBL													
CALM												34.6	
	18.1	20.2	19.1	7.3	.5							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 1816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17047 MARSHALL AAF KS 66-70,74-79 AUE
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
1900-1900
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	.7	.1								3.4	5.1
NNE	1.4	1.8	1.6	.2								4.9	5.9
NE	1.5	2.2	1.5	.5								5.6	5.8
ENE	.4	1.1	1.2	.3								3.0	6.5
E	.9	1.6	2.5	.3								5.2	5.5
ESE	.5	1.6	1.0	.3								3.4	6.5
SE	1.1	.9	1.6	.7								4.5	6.8
SSE	.5	1.6	1.9	.9	.2							5.1	6.7
S	1.7	2.7	6.1	4.6	1.5							15.6	9.5
SSW	.7	1.6	5.9	7.8	.6	.2						17.1	10.6
SW	1.0	2.4	3.5	3.5								10.3	8.7
WSW	.7	1.9	1.5	.7								4.7	6.8
W	.8	.9	.4	.2								2.3	5.1
WNW	.4	.9	.2	.3								1.7	6.7
NW	.4	.7	.4									1.5	5.1
NNW	.6	.6	.4									1.6	4.6
VARBL													
CALM												7.4	
	13.5	24.0	30.2	20.4	2.3	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1012

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13547
STATION

MARSHALL AAF KS
STATION NAME

66-70, 74-79
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.7	1.4	.4								4.2	6.2
NNE	.8	2.6	2.7	.9								6.9	7.1
NE	.6	2.8	2.4	.5								6.2	6.6
ENE	.7	1.2	1.0	.2								3.1	6.0
E	.8	2.3	2.0	.2								5.2	6.2
ESE	.4	1.5	1.6	.1								3.6	6.5
SE	.5	1.6	1.6	.8								4.4	7.4
SSE	.7	1.4	2.7	1.9	.1							6.7	6.6
S	.6	2.5	6.6	6.1	2.2	.4						18.5	11.2
SSW	.3	1.5	5.4	7.8	1.3	.2						16.5	11.6
SW	.3	1.3	2.4	2.9	.3							7.1	9.3
WSW	.6	1.0	1.2	.6								3.4	7.2
W	.9	1.9	.7	.2								3.6	5.4
WNW	.4	1.1	.5	.4								2.4	6.6
NW	.4	.7	.5	.2								1.8	6.4
NNW	.4	.7	1.2	.1								2.4	6.8
VARBL													
CALM												4.1	
	9.2	25.4	33.6	23.2	3.8	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1014

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13047 MARSHALL AAF KS 66-70, 74-79
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MONTH
1966-1969
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.5	1.8	.8								6.2	6.1
NNE	.9	2.5	2.0	.5	.1							5.9	6.7
NE	.7	3.1	3.1	.2								7.0	6.6
ENE	.4	1.3	2.3	.3								4.3	7.0
E	1.3	2.3	2.9	.6								7.0	6.6
ESE	.2	1.9	1.0	.2								3.3	6.5
SE	.8	2.6	3.2	.6	.1							7.2	7.2
SSE	.4	1.9	3.1	2.7	.1							6.1	9.1
S	.6	2.7	5.4	9.4	1.7	.4						20.2	11.4
SSW	.2	1.8	4.3	5.6	1.0	.1						13.0	11.2
SW	.4	.9	1.2	1.7	.1							4.2	9.6
WSW	.1	.9	.2	.2								1.4	6.0
W	.6	.5	.3	.1								1.5	5.1
WNW	.6	.5	.2	.2								1.5	5.3
NW	.4	.5	.5	.2								1.6	6.5
NNW	.4	1.3	.7	.3								2.7	6.0
VARBL													
CALM												4.4	
	9.2	26.9	32.0	23.5	3.1	.5						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1012

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17647 STATION MARSHALL AAF WS 66-70, 74-79 YEARS 200 MONTH 10-10-1966 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	1.4	.1	.1							4.5	5.5
NNE	1.6	1.8	1.3	.1								4.3	4.8
NE	1.5	1.8	1.0									4.3	4.8
ENE	1.6	2.2	1.3	.1								5.1	5.3
E	2.2	3.1	2.2	.3								7.7	5.3
ESE	.8	2.7	1.0									4.5	5.4
SE	.8	3.8	3.0	.6								5.1	5.9
SSE	.8	4.6	7.0	1.7	.3							14.4	7.3
S	.6	2.9	8.3	7.4	.4	.1						17.7	9.8
SSW	.6	1.2	1.4	1.4	.2							4.3	5.4
SW	.3	.3	.2									.8	5.1
WSW			.1	.1								.2	11.5
W	.4	.2	.2	.2								1.2	6.6
WNW	.4	.2		.2								.6	5.6
NW		.1	.1									.2	7.5
NNW	.3	.2	.3									.5	5.4
VARBL													
CALM												16.5	
	12.3	26.7	26.7	12.2	1.0	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947 MARSHALL AAF KS 66-70, 74-79 800
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	.3									2.3	4.2
NNE	1.5	1.6	.5	.1								4.0	4.3
NE	1.0	1.9	.6	.1								3.6	5.0
ENE	.8	1.1	.4									2.3	4.7
E	1.9	2.5	1.4	.1								5.3	4.7
ESE	.9	2.0	1.0	.1								4.0	5.4
SE	1.7	3.6	3.0	1.0								7.2	6.5
SSE	.6	2.6	8.6	5.2	.2							17.2	9.2
S	.3	1.2	4.3	11.3	.9	.2						18.2	12.1
SSW	.5	.7	.4	.3	.1							2.1	6.4
SW	.6	.2	.3	.2	.2							1.5	7.3
WSW	.1	.4	.1									.6	5.0
W	.1	.1	.1									.3	5.3
WNW	.2											.2	2.0
NW	.1	.3	.1									.5	5.5
NNW	.1		.1		.1							.3	4.7
VARBL													
CALM												2.4	
	11.5	10.9	21.1	18.4	1.5	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1517

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947 MARSHALL AAF KS 66-70, 74-79

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

NO. HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.3	.5	.2	.0							1.4	1.3
NNE	1.5	1.7	1.3	.2	.0							1.8	1.4
NE	1.3	2.0	1.4	.2								2.5	1.3
ENE	.0	1.3	1.1	.1								3.4	1.2
E	1.3	1.9	1.7	.2								3.1	1.7
ESE	.6	1.5	.9	.1								3.2	1.5
SE	.3	2.0	2.1	.6	.0							3.6	2.0
SSE	.4	2.1	3.5	2.1	.1							4.4	2.1
S	1.2	2.3	5.4	6.6	1.7	.1						10.7	1.7
SSW	1.7	2.1	3.0	3.6	.5	.1						11.0	2.4
SW	.7	1.7	1.4	1.1	.1	.0						5.2	2.5
WSW	.0	.0	.5	.2	.0							1.5	1.0
W	.5	.5	.2	.1								1.4	1.1
WNW	.7	.4	.1	.1								1.5	1.7
NW	.3	.3	.2	.1		.0						.9	1.9
NNW	.4	.5	.4	.1	.0							1.4	1.0
VARBL													
CALM												21.6	
	13.1	22.4	25.0	15.9	1.8	.2						100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 107

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1347 MARSHALL AAF KS 05-70, 74-76 SEP 1970-0100
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLIM
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	.9	.4								3.6	5.8
NNE	1.5	1.7	.4	.2								3.5	4.8
NE	1.7	1.6	.4		.1							3.5	5.3
ENE	1.1	1.1	.5	.1								3.1	4.0
E	1.5	1.2	.8	.1								3.5	4.4
ESE	.2	1.3	.9									2.4	6.7
SE	.6	.9	1.2	.3								3.0	6.5
SSE	.4	1.1	2.3	2.8	.1							6.6	8.9
S	1.5	1.3	3.1	5.2	.5	.1						12.9	13.1
SSW	1.7	1.8	2.5	1.3	.3	.2						7.2	4.8
SW	.5	1.7	.5									2.3	4.6
WSW	.5	.7	.4									1.6	4.9
W	.1	.3	.1	.1								.6	6.8
WNW	.1	.3		.2	.1							.7	5.7
NW	.3	.3	.1	.1								.5	5.4
NNW	.5	.7	.5									1.5	5.3
VARBL													
CALM												4.5	
	12.9	17.2	15.5	17.8	1.4	.3						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17047 STATION MARSHALL AAF KS 65-70,74-78 SEP MONTH
STATION NAME YEARS MONTHS
ALL WEATHER CLASS 1900-1900
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.1	1.9	1.3	.1								3.5	4.6
NNE	1.7	1.7	.4	.1								3.9	4.7
NE	1.5	.9	.7	.4								3.5	5.1
ENE	.7	1.0	.5	.1								2.5	5.7
E	.7	.7	.4									1.8	4.7
ESE	.4	.8	.7		.1							2.0	5.1
SE	.6	.9	.8	.5								2.8	6.5
SSE	.5	.9	1.5	.9	.1							3.9	6.4
S	2.1	1.9	3.0	2.8	.4							13.2	7.0
SSW	1.5	2.1	2.4	.9	.3	.1						7.4	7.5
SW	1.5	2.0	.9									4.4	4.8
WSW	.8	.6	.4	.2		.1						2.1	5.9
W	.2	.3	.3									.8	6.0
WNW	.1		.2		.1							.4	4.5
NW	.4	.3	.3									1.0	5.3
NNW	.5	.9	1.0									2.4	5.4
VARBL													
CALM												44.4	
	19.5	17.1	15.3	6.1	1.0	.2						120.0	5.4

TOTAL NUMBER OF OBSERVATIONS 490

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17-47

MARSHALL AAF KS

65-70, 74-78

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1600-0000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.2	1.7	.1								5.7	5.2
NNE	1.9	1.4	.9	.1								4.3	4.6
NE	2.4	1.4	1.4	.2								5.9	5.1
ENE	.2	1.4	.6									2.2	5.6
E	.7	1.4	.5	.2								3.3	5.3
ESE	.7	.5	.6	.1								1.9	4.4
SE	.3	.6	.7	.9								2.5	5.2
SSE	.7	.9	1.6	.8								4.5	7.8
S	1.7	1.8	2.7	2.8	.4							9.5	8.6
SSW	2.3	1.7	1.6	1.4	.6							7.7	7.3
SW	1.9	2.1	.9	.2								6.2	5.1
WSW	.6	1.3	.2									2.3	4.8
W	.4	.6	.1									1.1	4.7
WNW	.1	.1	.3	.1								.8	7.8
NW	.6	.1	.5	.1								1.3	5.5
NNW	.4	.8	.6									1.8	5.6
VARBL													
CALM												41.1	
	17.1	13.3	15.5	7.1	1.7							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

907

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17047 MARSHALL AAF KS STATION NAME YEARS 65-70, 74-78 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.8	4.7	.6								3.5	6.8
NNE	.8	1.2	1.0	.6								4.0	7.0
NE	1.2	2.0	1.2	.3								4.8	5.5
ENE	.9	1.3	1.1	.5								3.5	6.5
E	.9	2.3	2.1	.4								5.8	6.4
ESE	.6	1.0	1.1	.3								3.0	6.3
SE	.4	1.2	1.2	.5								3.3	6.9
SSE	.3	2.2	2.2	1.0	.3							6.1	6.4
S	.6	2.4	4.3	5.9	1.2	.2						14.6	10.8
SSW	1.5	1.2	3.7	2.7	1.7	.6						11.5	10.9
SW	1.2	2.6	2.2	1.9	.2	.1						8.3	6.0
WSW	1.3	2.0	1.7	.4								6.4	5.9
W	1.1	1.7	.3	.1								3.2	4.8
WNW	.2	.4	.7									1.3	6.5
NW	.1	.6	1.2	.3								2.2	3.2
NNW	.7	.5	.7	.2								2.1	5.2
VARBL													
CALM												9.1	
	13.7	25.6	30.5	15.8	3.4	.2						101.0	7.0

TOTAL NUMBER OF OBSERVATIONS 988

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947 MARSHALL AAF KS 65-70,74-78 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.9	3.7	2.0								6.2	3.5
NNE	.6	2.3	2.6	1.0	.1							6.7	7.7
NE	.5	1.7	2.6	.3								3.5	6.7
ENE	.6	1.3	1.4	.3								3.6	6.6
E	1.8	1.8	2.1	.2								5.0	5.9
ESE	.4	.4	.7									1.5	5.7
SE	.3	1.5	1.5	.8	.1							4.2	7.6
SSE	.2	.9	2.7	2.2	.3							6.4	10.2
S	1.1	3.7	3.6	6.9	2.3	.1						17.1	11.1
SSW	.4	2.4	3.2	3.7	2.2	.6	.1					13.7	12.2
SW	.5	1.8	2.0	1.6	.1							6.1	8.6
WSW	.3	1.5	2.0	.7								4.6	8.0
W	.7	1.0	1.2	.7								3.6	6.9
WNW	.2	.6	1.1	.3								2.2	7.9
NW	.1	.7	1.2	.3								2.3	7.9
NNW	.7	1.4	1.7	.6								4.4	7.1
VARBL													
CALM												4.9	
	9.3	24.5	33.7	21.7	5.2	.7	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 989

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13947 MARSHALL AAF KS STATION NAME 65-70, 74-78 YEARS SEP MONTH 1960-1960 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.4	3.7	1.1	.1							9.8	6.9
NNE	.0	3.0	1.9	.4								6.3	6.0
NE	.9	2.6	2.0									5.6	5.6
ENE	.8	1.9	1.7	.4								4.9	6.0
E	.5	3.1	2.0	.6								6.3	6.7
ESE	.4	1.1	1.6									3.1	6.3
SE	.4	.8	1.9	.7	.1							3.9	7.9
SSE	.2	1.8	3.5	.9	.2							6.7	8.6
S	1.0	2.1	5.7	6.4	2.5	.1	.1					17.9	11.4
SSW	.5	1.6	2.4	3.7	2.0	.5	.2					11.1	12.3
SW	.4	.8	.8	1.1	.1							3.2	6.9
WSW	.4	.4	.8	.4								2.0	7.4
W	.4	1.1	1.0	.3								2.8	6.5
WNW	.3	1.4	.2	.4								2.3	6.3
NW	.2	.4	1.7	.4								3.1	7.5
NNW	.5	1.4	1.6	.3	.2							4.0	7.3
VARBL													
CALM												6.8	
	9.3	27.6	32.8	17.2	5.3	.7	.3					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 988

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1747

MARSHALL AAF KS

65-70, 74-78

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.6	.8	.3								8.6	4.2
NNE	1.2	2.3	.9	.3								4.7	5.6
NE	1.1	1.9	1.0									4.0	5.1
ENE	1.1	2.2	1.1	.2								4.6	5.3
E	1.9	2.5	.7	.1								5.3	4.5
ESE	.7	1.9	.8	.3								3.7	5.4
SE	.4	1.8	1.7	.7								4.6	7.4
SSE	.6	2.8	4.9	1.9	.1							10.4	6.2
S	1.1	3.7	5.8	4.8	1.0	.2						18.7	9.5
SSW	.8	1.2	1.6	.2								3.8	6.1
SW	.5	.7	.3									1.5	4.6
WSW	.3	.1	.1									.5	4.2
W	.1	.2	.2	.1								.6	6.7
WNW	.2	.1	.1									.4	4.6
NW	.4	.5	.2									1.1	4.6
NNW	.7	1.1	.7	.2								2.7	5.9
VARBL													
CALM												29.6	
	14.0	24.8	21.0	9.2	1.1	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

290

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947 MARSHALL AAF KS 65-70, 74-78 SEP 2100-2300
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.2	1.2	.4								4.6	5.7
NNE	1.5	1.3	1.0	.2								4.0	5.1
NE	1.6	1.4	.2	.3								3.5	4.5
ENE	1.0	.9	.7									2.6	4.6
E	1.6	2.2	.7	.3								4.9	4.8
ESE	1.2	1.7	.7	.2								3.8	5.1
SE	.7	1.6	1.7	.8								4.9	7.3
SSE	.1	2.4	4.1	3.5		.1						10.3	9.4
S	.7	1.2	3.5	6.9	1.2	.7	.1					14.4	12.2
SSW	.5	1.3	.6	.4	.1							2.9	5.7
SW	.5	.9	.5	.1								2.1	5.7
WSW	.6	.3	.2	.1								1.2	5.7
W	.3	.2	.1									.6	4.0
WNW	.1	.1	.1									.3	5.0
NW	.1	.2	.2									.5	5.6
NNW	.3	.6	.6	.1								1.6	6.3
VARBL													
CALM												37.5	
	11.8	12.7	12.4	13.3	1.3	.2	.1					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 989

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17.47

MARSHALL AAF KS

65-70, 74-73

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.6	2.1	2.3	.6	.7							6.6	6.3
NNE	1.7	1.9	1.3	.4	.7							4.8	5.7
NE	1.3	1.7	1.3	.2	.7							4.5	5.4
ENE	.8	1.4	1.7	.2								3.5	5.8
E	1.2	1.9	1.2	.2								4.6	5.6
ESE	.6	1.1	.9	.1	.7							2.7	5.8
SE	.5	1.2	1.4	.7	.7							3.7	7.4
SSE	.4	1.6	2.9	1.8	.1	.7						6.8	8.9
S	1.3	2.3	4.7	5.2	1.2	.2	.7					14.2	10.4
SSW	1.1	1.7	2.3	1.8	.9	.3	.7					8.1	9.9
SW	.9	1.5	1.7	.6	.1	.7	.7					4.1	5.8
WSW	.6	1.0	.7	.2		.7						2.6	6.1
W	.4	.7	.4	.2								1.7	5.8
WNW	.2	.4	.3	.1	.7							1.0	7.0
NW	.3	.4	.7	.2								1.6	6.8
NNW	.6	.9	.9	.2	.7							2.6	6.3
VARBL													
CALM												27.8	
	12.9	21.9	22.6	12.7	2.5	.5	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

7912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17547 STATION MARSHALL AAF KS 65-70, 74-75 YEARS OCT 1980-1981
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.4	2.1	.7								5.7	5.2
NNE	1.2	1.3	1.2	.1								4.3	5.0
NE	1.0	.6	.6	.1								2.3	4.3
ENE	.5	.6	.2									1.3	4.0
E	.8	.5	.1									1.4	3.4
ESE	.3	.9	1.2									2.4	5.1
SE	.1	.4	.6	.5								1.6	5.8
SSE	.2	1.5	.8	1.5		.1						4.0	9.0
S	1.2	1.2	3.1	5.4	1.1	.5						12.4	11.5
SSW	1.2	3.0	3.0	1.9	.4	.1						9.6	8.2
SW	1.2	2.6	1.0	.2								5.0	5.4
WSW	1.1	.9	.1									2.1	3.9
W	.7	1.2	.7									2.5	5.2
WNW	.6	.7	.7									2.0	5.3
NW	.4	.3	.7	.2	.1							1.7	7.8
NNW	.5	.8	1.3	.4	.2							3.1	7.9
VARBL													
CALM												33.8	
	12.9	17.7	17.1	11.0	1.8	.7						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 1021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947
STATION

MARSHALL AAF KS
STATION NAME

65-76, 74-78
YEARS

OCT
MONTH
1300-0500
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	1.5	.4								5.5	5.4
NNE	1.4	1.3	1.2	.5								4.3	5.2
NE	1.1	.7	.6									3.3	4.3
ENE	.3	.5	.1									.9	3.9
E	.9	.5	.4	.2								2.5	5.1
ESE	.6	.8	.3	.1								1.3	5.3
SE	.3	.7	1.7	.5								2.4	7.8
SSE	.5	.9	.8	1.5	.2	.2						4.5	10.7
S	1.9	2.6	2.7	3.4	1.4	.1						12.1	9.5
SSW	2.3	3.2	2.0	1.6	.1	.1						9.9	6.6
SW	1.9	2.2	.2	.3								4.6	4.5
WSW	.3	.5	.4									1.7	4.5
W	.6	.9	.5		.1							2.1	5.6
WNW	.5	1.4	.6		.1							2.5	5.2
NW	.5	.5	1.3	.2	.1							2.5	7.8
NNW	.5	.6	.8	.9	.1							3.5	3.0
VARBL													
CALM												75.5	
	15.4	20.5	14.3	9.5	2.1	.4						170.0	4.3

TOTAL NUMBER OF OBSERVATIONS 1022

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17447 MARSHALL AFB KS 55-70, 74-75 OCT
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
800-0000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.2	1.4	.5								5.7	5.6
NNE	2.5	1.9	.7	.2								5.3	4.1
NE	.8	1.2	.7	.3								2.9	5.9
ENE	.3	.7	.4	.1								1.6	3.4
E	.5	.9	.1									1.5	4.3
ESE	.7	.6	.3	.7								2.2	5.9
SE	.4	.3	.3	.1								1.6	6.9
SSE	.4	.7	2.2	1.6	.3	.1						5.3	10.0
S	1.9	2.2	3.7	2.8	1.4	.5						12.4	9.6
SSW	2.1	3.3	2.6	1.4	.6							13.5	7.2
SW	2.5	1.5	1.3	.3								5.7	4.6
WSW	1.7	1.2	.3	.1								3.8	4.3
W	.9	.7	.5		.3							3.2	5.3
WNW	.3	1.3	.8	.1	.1							2.5	6.7
NW	.5	.7	.5		.2							2.2	6.9
NNW	.9	.9	1.6	.4								3.7	6.7
VARBL													
CALM												32.6	
	17.5	19.6	14.1	7.5	2.8	.6						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1123

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947

MARSHALL AAF KS

65-72, 74-78

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1940-1949

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.9	2.8	2.2	.3							9.2	5.4
NNE	.9	1.6	2.0	.4								4.3	6.5
NE	.4	1.7	1.3	.4	.1							3.6	7.1
ENE	.3	.3	1.3	.1								2.0	7.3
E	.5	1.0	1.3	.2								2.7	6.2
ESE	.2	.4	1.0	.4								2.0	7.0
SE	.3	1.1	1.2	.1								2.5	6.7
SSE	.4	1.2	1.4	1.2	.3							4.4	5.9
S	.4	1.6	3.3	6.1	2.5	1.4	.3					13.6	13.3
SSW	.4	1.6	3.3	6.2	1.3	.3						13.5	11.0
SW	1.3	2.1	2.6	1.1	.3							7.3	7.0
WSW	1.6	2.9	2.2	.4	.1							7.0	6.0
W	.6	1.2	1.2	.2		.1						3.4	6.5
WNW	.4	.5	1.2	.5	.4							2.0	6.9
NW	.5	.7	1.2	1.0	.3							3.6	5.6
NNW	.3	1.4	2.3	1.6	.1							5.6	8.7
VARBL													
CALM												9.3	
	9.5	21.8	29.4	21.8	6.2	1.8	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

1022

U.S. AIR FORCE
 CLIMATE DIVISION
 CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1747 MARSHALL AAF KS STATION NAME YEARS 65-74, 74-75
 CLASS ALL WEATHER
 CONDITION
 MONTH 1200-1400
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	5.2	3.0	.5							11.4	2.3
NNE	.7	2.1	1.4	.9	.1							4.2	7.6
NE	.5	1.4	1.1	.9								3.9	7.9
ENE	.4	1.0	.6	.7								2.8	6.4
E	.5	.5	.4	.1								1.5	2.6
ESE	.4	.5	.7	.2								1.3	6.5
SE	.2	.5	1.3	.4								2.4	5.7
SSE	.2	.7	1.7	1.4	.2							4.1	4.1
S	1.7	1.7	4.1	7.4	3.6	2.0	.1					19.5	13.4
SSW	.7	1.1	3.4	4.9	3.2	1.1	.1					14.7	13.3
SW	.4	1.4	2.5	7.8	.2	.1	.1					7.5	10.2
WSW	.9	.9	2.5	.9								6.1	7.7
W	.7	1.7	1.9	.8	.2							4.2	7.8
WNW	.1	.4	1.2	.8	.3	.1						3.2	10.4
NW	.3	.9	2.5	.7	.6							5.0	9.6
NNW	.3	1.2	2.6	1.5	.2							5.5	7.3
VARBL													
CALM												2.8	
	7.4	17.5	33.2	25.8	8.9	3.2	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 1,229

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13-47
STATION

MARSHALL AAF MS
STATION NAME

65-70, 74-78
YEARS

1001
MONTH

ALL WEATHER

CLASS

1000-1700

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.2	4.2	7.2	.2							10.9	9.1
NNE	1.2	1.3	2.2	.9		.1						1.4	7.5
NE	1.2	1.6	1.2	.7								4.6	6.7
ENE	.3	.3	.4									1.0	5.9
E	.7	.7	.4	.1								1.9	5.1
ESE	.5	.9	.9	.3								2.6	5.0
SE	.2	.5	1.0	.8	.2							2.6	7.4
SSE	.3	1.2	1.0	1.3	.3							4.3	6.4
S	.7	2.2	3.9	7.7	4.2	1.2	.2					29.2	13.6
SSW	.7	2.0	3.3	4.0	1.9	.6	.1					12.8	12.6
SW	.2	1.4	1.4	2.2	.1	.4						6.6	10.6
WSW	.6	1.6	.9	.8		.1						3.9	7.3
W	.6	1.5	2.1	1.0								5.1	7.5
WNW	.9	.5	1.6	.4	.2							3.5	7.7
NW	.2	1.7	2.2	1.3								5.4	6.5
NNW	.7	2.1	2.3	1.0								6.1	7.3
VARBL													
CALM												4.4	
	9.9	21.4	28.5	25.5	7.3	2.6	.3					120.3	9.2

TOTAL NUMBER OF OBSERVATIONS

1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947

MARSHALL AAF KS

65-73, 74-78

NOT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1900-2000

CLASS

MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.9	1.5	.6	.1							2.3	5.4
NNE	.8	1.1	1.7	.2	.1							2.1	6.3
NE	.9	.9	.7	.4								2.9	5.1
ENE	.4	.9	.3									1.6	4.7
E	.9	1.1	.8									2.7	4.8
ESE	.7	2.3	.2									3.1	4.6
SE	.3	1.2	1.0	.3								2.7	6.9
SSE	.7	1.8	3.7	2.2								3.3	5.5
S	.8	1.9	5.2	6.9	2.7							16.7	11.1
SSW	1.6	1.1	1.2	.6	.3							4.7	6.6
SW	1.7	.4	.5	.2								2.6	4.8
WSW	.6	.6		.1								1.1	4.6
W	.6	.3	.3	.1								1.3	4.5
WNW	.4	.4	.1	.3								1.2	5.4
NW	.8	.6	.4	.2	.1							2.1	5.9
NNW	1.3	.8	1.3	.6								3.9	6.4
VARBL													
CALM												33.5	
	14.7	13.4	18.0	12.9	2.5							108.2	4.4

TOTAL NUMBER OF OBSERVATIONS

1022

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13-47
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-78
YEARS

001
MONTH

2100-2300
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.2	.6		.1						5.3	6.7
NNE	1.3	1.3	1.0	.6								4.1	5.7
NE	1.1	.9	.4	.2								3.8	4.7
ENE	.1	.5	.2									.8	1.3
E	.2	1.3	.8									3.3	5.4
ESE	.4	1.3	1.0									3.8	5.7
SE	.2	1.3	.8	.2								2.4	6.7
SSE	.6	.5	2.4	2.6	.3							6.6	10.3
S	.7	.9	4.6	6.6	2.5	.7	.1					11.0	12.7
SSW	1.6	1.3	1.6	1.1	.3							5.3	7.3
SW	.6	1.1	.5									2.2	4.9
WSW	.9	.3	.5	.2								1.9	5.7
W	.2	.6	.3	.1								1.1	4.4
WNW		.4	.2	.1								.7	7.0
NW	.4	.5	.6	.3	.2	.2						1.7	9.4
NNW	1.2	.7	1.3	.4	.1							3.6	6.6
VARBL													
CALM												29.4	
	11.4	14.0	17.8	12.9	3.4	1.0	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1022

JOINT CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947 STATION MARSHALL AAF KS 65-70, 74-78 YEARS OCT MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	2.5	1.4	.2	.0						7.8	7.4
NNE	1.3	1.4	1.3	.5	.0	.0						4.5	6.1
NE	.9	1.1	.8	.4	.0							2.1	6.0
ENE	.3	.6	.5	.0								1.4	5.6
E	.6	.8	.5	.1								2.0	5.7
ESE	.5	.9	.7	.2								2.3	6.1
SE	.2	.7	.9	.4	.0							2.3	7.6
SSE	.4	1.0	1.7	1.6	.2	.0						5.1	9.4
S	1.1	1.6	3.8	5.8	2.3	.8	.1					15.7	12.0
SSW	1.3	2.1	2.6	2.7	1.0	.3	.0					10.1	9.9
SW	1.2	1.6	1.2	.9	.1	.1	.0					5.1	7.1
WSW	.9	1.1	.8	.3	.0	.0						3.2	6.0
W	.7	1.0	.9	.3	.1	.0						2.9	6.5
WNW	.4	.7	.8	.3	.1	.0						2.3	7.6
NW	.4	.7	1.2	.5	.2	.0						3.1	8.5
NNW	.7	1.0	1.7	.8	.1							4.3	7.8
VARBL													
CALM												24.8	
	12.4	18.9	22.1	16.1	4.4	1.3	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 4175

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17947 MARSHALL AAF KS 65-70, 74-78 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2000-0000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	2.0	1.0	.1							8.5	7.5
NNE	2.0	1.6	1.9	.2								5.8	5.2
NE	1.2	1.7	1.0	.1								4.0	5.1
ENE	1.0	.3	.3	.2								1.3	4.7
E	.5	.7	.2	.1								1.5	4.8
ESE	.2	.4	.2									.8	5.0
SE	.6	.5	.4	.1								1.6	5.6
SSE	.3	.6	.2	1.4	.5							2.0	11.2
S	1.2	1.7	1.7	1.3	.1	.4	.2					5.7	9.7
SSW	2.0	2.8	2.1	.7	.1							7.8	6.2
SW	1.0	3.1	1.1	.3	.2							6.7	5.6
WSW	.9	1.5	.4									2.3	4.8
W	.5	.9	.6									1.9	5.3
WNW	.7	.5	.9	.4								2.5	7.0
NW	.4	.7	1.4	1.2	.1							3.8	8.9
NNW	.5	1.5	1.3	1.3	.1							4.8	8.2
VARBL													
CALM												32.6	
	15.2	20.1	15.0	8.4	1.2	.4	.2					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 498

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13-47
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-78
YEARS

NCV
MONTH

ALL WEATHER
CLASS

13-47-78
MONTHS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	1.3	1.1								5.3	6.2
NNE	1.0	1.4	1.1	.6								3.1	3.5
NE	1.7	1.5	1.1									4.3	4.7
ENE	.7	.9	.6	.1								3.3	3.5
E	1.3	.6	.1	.2								2.2	3.0
ESE	.5	.5	.1									1.1	4.2
SE	.3	.5	.7	.1								1.5	6.6
SSE	.4	.2	.5	.3	.3							1.7	9.4
S	2.2	2.3	1.1	1.1	.3	.5	.1					7.7	6.0
SSW	1.6	2.1	1.6	.8	.1	.1						6.4	6.5
SW	2.4	4.0	.5	.2	.2							7.4	4.7
WSW	.7	1.6	.3	.1								2.7	4.6
W	1.0	1.0	.5	.3								2.8	5.3
WNW	.5	.6	.5	.5								2.1	6.8
NW	.4	.6	1.2	1.2	.3							3.7	9.8
NNW	.6	1.4	.8	1.8	.3	.1						5.1	9.4
VARBL													
CALM												33.4	
	17.4	21.2	12.1	8.5	1.5	.7	.1					102.3	4.1

TOTAL NUMBER OF OBSERVATIONS

989

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13-47

MARSHALL AAF KS

65-70, 74-78

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.9	2.2	.9	.3							6.5	7.2
NNE	2.2	1.4	1.1	.1								4.5	4.7
NE	1.5	1.9	1.5									4.5	5.5
ENE	.8	1.2	.7	.1								2.8	5.3
E	.3	.7	.2	.1								1.3	5.3
ESE	.3	.2	.3									.5	5.6
SE	.5	.4	.5	.8								2.2	5.1
SSE	.4	.5	.5	.5	.2							2.1	5.9
S	2.2	1.9	1.4	1.2	.2	.3						7.3	7.2
SSW	2.5	4.2	.9	1.2	.1							9.5	5.7
SW	2.7	2.4	1.2	.1	.1							5.9	4.8
WSW	.5	1.4	.7									2.1	5.1
W	1.5	1.1	.5									3.1	4.2
WNW	.3	.3	.9	.4	.1							2.0	5.7
NW	.1	.9	.5	1.5		.2						2.3	10.2
NNW	.8	1.2	1.8	2.1								6.0	5.5
VARBL													
CALM												34.5	
	17.6	21.6	15.2	9.1	1.0	.5						170.0	4.2

TOTAL NUMBER OF OBSERVATIONS

990

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17-47
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	2.7	3.0	.4							10.2	5.4
NNE	2.1	1.1	1.3	1.0								5.6	5.3
NE	1.1	2.1	1.8	.3								5.4	5.1
ENE	.4	1.5	.7	.1								2.7	5.6
E	.5	.8	.7									2.3	5.6
ESE	.2	.5	.4	.1								1.2	5.4
SE	.6	.5	.5									1.5	5.3
SSE	.4	.4	1.7	.8	.4	.1						3.5	10.2
S	.8	2.1	2.1	2.7	.6	.1	.2					3.7	9.4
SSW	1.1	2.1	3.3	2.8	.6	.2						10.2	9.5
SW	1.8	2.9	2.8	1.4	.4	.1						9.5	7.5
WSW	1.6	2.9	1.7	.6								5.9	5.7
W	.8	1.7	1.8	.5								4.3	5.7
WNW	.4	.7	1.5	1.5	.3	.1						4.5	10.1
NW	.5	1.3	1.0	1.4	.3							4.2	9.6
NNW	.5	1.8	1.6	2.8	.2							7.1	9.5
VARBL													
CALM												11.5	
	14.2	25.2	25.9	19.2	3.2	.6	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

990

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13447

MARSHALL AAF MS

65-70, 74-79

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1700-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.9	3.3	2.2	.2							9.0	8.6
NNE	.9	.8	2.8	1.0	.1							5.7	7.9
NE	.7	1.7	1.6	.5								4.6	6.6
ENE	.5	.9	.8	.3								2.5	6.6
E	.6	.7	.7	.2								2.4	6.0
ESE	.1	.5	.4	.2								1.2	5.7
SE		.3	.7	.2								1.2	3.1
SSE	.6	.7	1.5	1.0	.2							4.0	6.8
S	.6	2.5	3.8	2.8	.6	.7						11.1	10.1
SSW	.3	1.1	1.8	3.3	1.2	.5						3.3	12.2
SW	1.0	1.6	3.2	3.1	.5	.4						10.2	10.3
WSW	.8	3.0	2.0	1.3	.1							7.3	7.4
W	.7	2.5	3.9	1.2	.1							9.5	7.7
WNW	.5	1.1	1.9	1.0	.2							4.8	6.9
NW		.9	2.7	2.7	.4	.1						6.9	11.0
NNW	.4	1.1	2.2	4.9	.4	.2						9.1	11.5
VARBL													
CALM												3.2	
	8.2	22.5	33.7	26.1	4.3	1.2						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

989

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1347
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-76
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.2	4.6	2.6	.5							11.4	8.5
NNE	.5	1.4	1.9	.8								4.7	7.4
NE	.4	1.6	1.7	.1								3.1	5.9
ENE	.8	1.3	.9									3.0	5.3
E	.5	.8	.9	.1								2.3	6.7
ESE	.5	.2	.3	.4								1.4	7.1
SE	.2	.6	.8	.4								2.0	6.7
SSE	.4	1.0	1.2	1.6								4.2	9.7
S	.9	2.2	3.7	3.1	.3	.2						10.5	9.3
SSW	.7	1.9	2.9	3.6	.6	.2						10.0	10.1
SW	.9	2.3	1.8	1.1	.4		.3					6.9	8.9
WSW	.7	1.6	1.8	1.0								5.2	7.3
W	1.7	2.1	2.1	.6								6.6	6.1
WNW	.5	1.8	1.5	.8	.1							4.8	7.6
NW	.5	1.5	2.9	2.1	.2	.1						7.5	9.2
NNW	.5	2.7	4.8	1.8	.4							10.2	8.5
VARBL													
CALM												6.2	
	10.4	26.5	33.3	20.3	2.5	.5	.3					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

789

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947

MARSHALL AAF KS

65-70, 74-78

404

STATION

STATION NAME

YEARS

NOV

ALL WEATHER

CLASS

1000-2000

HOURLY (L.B.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	3.2	3.3	1.1	.1		.1					10.8	6.6
NNE	.7	1.2	2.2	.2								4.1	6.5
NE	1.0	1.4	.4									2.8	4.7
ENE	.7	.7	.5									1.9	4.7
E	1.3	.0	.2	.1								2.4	4.1
ESE	.2	.7	.7									1.6	6.7
SE	.5	1.0	1.2	.1								2.8	6.7
SSE	.6	1.0	1.7	.9	.1							4.3	7.8
S	.5	2.7	3.6	1.7	.4	.1						9.1	8.7
SSW	1.4	2.8	2.4	.5	.2							7.4	6.4
SW	1.7	2.1	.9	.2		.2	.1					5.3	6.2
WSW	.7	1.6	.3									2.6	4.4
W	.0	.9	.4									2.1	4.4
WNW	.4	.4	.4	.2								1.1	6.5
NW	.5	1.9	1.3	.8	.2							4.7	7.3
NNW	1.6	1.1	1.8	.9								5.5	6.0
VARBL													
CALM												71.0	
	15.6	23.6	21.3	6.8	1.0	.3	.2					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

990

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAG

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17.47 STATION MARSHALL AAF KS 65-70, 74-75 YEARS NOV MONTH
ALL WEATHER CLASS 21.0-23.00 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.7	2.3	1.1								8.2	6.5
NNE	1.2	2.3	1.6	.1								4.9	5.4
NE	.8	1.6	.6	.2								3.2	3.3
ENE	1.7	.6	.5	.2								3.6	4.5
E	.5	.4	.2	.1								1.2	4.4
ESE	.3	.9	.7	.1								1.9	5.0
SE	.3	.6	1.0	.2								2.1	7.1
SSE	.2	.8	.5	1.7	.2							3.8	10.0
S	1.3	.8	1.8	2.5	.9	.3						7.7	10.4
SSW	1.2	2.9	1.7	1.5	.3							7.7	7.6
SW	1.6	2.9	1.1	.2		.2	.1					6.1	6.3
WSW	1.0	1.1	.7	.1	.1							2.5	4.6
W	.2	.8	.3	.1								1.4	5.9
WNW	.2	.6	.7	.1	.1							1.9	7.2
NW	.9	.5	.8	.8	.3							3.4	6.1
NNW	1.0	2.1	1.6	1.4	.1							6.5	7.4
VARBL													
CALM												34.7	
	13.9	21.8	16.3	10.5	2.1	.5	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 990

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13447 MARSHALL AAF KS 65-70,74-76 NOV
STATION NAME YEARS MONTH
ALL WEATHER
CLIM
CONDITION
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.5	2.7	1.6	.2		.0					3.4	7.6
NNE	1.5	1.4	1.7	.5	.0							5.1	8.1
NE	1.1	1.7	1.1	.2								4.1	5.5
ENE	.8	.9	.8	.1								2.8	5.3
E	.7	.7	.4	.1								1.9	5.1
ESE	.3	.5	.4	.1								1.3	5.1
SE	.4	.6	.7	.2								1.9	6.5
SSE	.4	.7	1.0	1.0	.3	.0						3.4	7.4
S	1.2	2.0	2.4	2.1	.4	.2	.1					8.6	9.1
SSW	1.4	2.5	2.1	1.8	.4	.1						8.3	8.2
SW	1.7	2.7	1.6	.8	.3	.1	.1					7.0	7.1
WSW	.9	1.9	.9	.4	.0							4.1	6.0
W	.9	1.4	1.3	.3	.0							3.9	6.0
WNW	.4	.8	1.0	.6	.1	.0						3.0	6.2
NW	.4	1.1	1.5	1.5	.2	.1						4.7	9.4
NNW	.2	1.0	2.0	2.1	.2	.0						6.8	9.0
VARBL													
CALM												24.8	
	14.1	22.9	21.7	13.6	2.1	.7	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 7915

REGIONAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1747 STATION MARSHALL AAF KS 65-70, 74-78 YEARS 060
STATION NAME CLASS 000-000
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.3	2.3	1.7	.1							6.9	5.1
NNE	1.7	1.0	2.0	.7	.1							3.4	5.5
NE	1.0	1.0	.6	.8	.1							3.4	7.0
ENE	.4	.7	1.6	.2								2.9	7.0
E	.6	.4	.3	.5								1.8	7.1
ESE	.7	.7	.1	.2	.1							1.4	6.7
SE	.1	.7	.2									1.0	6.7
SSE	.8	.6	1.5	.7								3.8	7.5
S	2.4	1.4	1.1	1.3	.6	.2	.2					7.1	6.3
SSW	2.0	2.0	1.7	2.1	.5	.2	.2	.1				9.6	8.6
SW	1.7	3.3	.8	.8								7.0	5.5
WSW	1.4	1.5	.4									3.2	4.1
W	.7	.7	.9	.1								2.3	5.7
WNW	.7	.7	1.2	.9	.1							3.5	5.4
NW	.5	1.3	1.0	1.7	.1	.2						4.0	6.9
NNW	.5	.3	2.0	1.4								5.5	8.0
VARBL													
CALM												71.4	
	16.1	19.9	17.7	12.1	1.7	.5	.4	.1				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17447

MARSHALL AAF KS

65-74, 74-78

780

STATION

STATION NAME

YEARS

MOON

ALL WEATHER

0100-0000

CLASS

NOVUS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	2.3	1.6	.1							7.3	7.6
NNE	1.2	1.4	1.5	.6								4.6	5.0
NE	1.1	1.1	1.3	.9								4.3	7.0
ENE	.5	.9	.5	.1								1.0	5.3
E	1.0	.5	.5	.8								3.7	6.4
ESE	.8	.5	.3	.3								1.4	5.6
SE	.5	.4	.3	.2								2.1	5.6
SSE	.5	.3	.9	.3	.3							2.3	7.3
S	2.2	1.4	.7	1.4	.2	.1						5.9	7.1
SSW	2.4	2.0	1.1	1.5	.9	.6						5.4	7.1
SW	2.4	4.4	1.9	.7	.1	.2						9.7	5.9
WSW	1.5	1.8	.3			.2						3.7	5.6
W	.6	.8	.8	.4								2.5	5.3
WNW	.4	.7	.8	.9	.2	.1						3.0	5.7
NW	1.7	1.5	1.4	.6	.1							4.9	6.7
NNW	1.0	1.1	2.5	1.0								5.6	7.8
VARBL													
CALM												27.6	
	12.3	20.6	16.9	11.3	1.9	1.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1022

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13-47 STATION MARSHALL AAF MS 65-70, 74-76 YEARS DEC
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 3600-3600
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	2.2	1.4	.7							7.3	7.8
NNE	2.1	1.6	2.7	.7	.1							7.1	8.4
NE	.8	1.4	1.7	.4								3.6	6.3
ENE	.6	.7	.7	.1								2.1	5.9
E	.5	.5	1.1	.6								2.7	7.7
ESE	.3	.8	.1									1.2	4.6
SE	.6	.3	.4	.2								1.5	6.7
SSE	.2	.3	1.1	.6	.2							3.0	8.2
S	1.4	1.8	1.7	1.3	.6	.2	.1					6.3	9.6
SSW	2.4	4.7	.9	1.3		.4	.1					9.1	6.8
SW	2.9	3.5	1.3	1.2	.1	.1						9.0	5.9
WSW	.9	2.2	.6	.2								3.9	5.3
W	.6	.6	1.2	.2	.2	.1						2.3	8.4
WNW	.8	1.1	.9	.4								3.1	6.4
NW	.7	1.0	1.2	.5	.1							3.4	7.2
NNW	1.1	1.5	3.1	.5								6.2	7.2
VARBL													
CALM												74.1	
	17.6	23.2	19.4	9.4	1.5	.5	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13-47 STATION MARSHALL AAF KS 65-74, 74-78 YEARS DEC MONTH 200-1100 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	4.2	1.8	.5							9.1	5.6
NNE	1.2	2.1	2.1	1.0	.1							6.9	5.7
NE	1.0	.7	1.4	.7								3.7	5.5
ENE	.3	.4	1.1	.2								2.0	7.1
E	.4	.8	1.7	.4								2.5	7.0
ESE	.2	.9	.9	.3								2.2	7.4
SE	.5	.4	.4	.3								1.6	5.8
SSE	.5	.4	.7	.7								2.2	7.7
S	1.1	1.9	2.3	2.3	.7	.1						5.4	7.1
SSW	1.2	2.3	2.4	3.3	.6	.2	.1					10.8	7.4
SW	1.3	3.3	3.6	1.8	.7	.2	.1					10.9	5.4
WSW	1.7	2.5	2.7	.4		.1						7.4	6.3
W	.7	2.5	1.1	.9								5.2	5.2
WNW	.1	.3	1.5	.9	.1	.3						2.1	11.1
NW	.6	1.3	2.0	2.0	.3	.1						5.2	9.5
NNW		1.2	3.5	1.2	.2							5.1	9.4
VARBL													
CALM												11.7	
	13.1	22.7	30.2	18.0	3.1	1.0	.2					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17-47 STATION MARSHALL AAF KS 65-73, 74-78 YEARS
ALL WEATHER CLASS
CONDITION
SLC MONTHS 1200-1400 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	4.9	3.5	.2							11.3	9.3
NNE	.6	2.1	1.5	1.7								5.9	5.1
NE	.8	1.4	1.2	1.0								4.3	7.2
ENE	.9	.6	.7	.1								2.3	5.3
E	.4	.4	.6	.3								1.7	7.2
ESE	.4	.3	1.0	.6								2.3	6.2
SE	.3	.8	.6	.2	.1							2.0	7.1
SSE	.4	.7	1.0	.5	.1							2.6	7.9
S	.7	1.9	1.7	2.2	.5	.4						7.2	10.3
SSW	1.0	1.0	2.8	4.6	1.3	.8						11.5	11.8
SW	.9	2.3	3.3	2.8	1.5	.6	.1					11.4	10.9
WSW	1.6	3.0	3.0	1.6								9.7	7.0
W	1.0	1.4	3.2	.6								6.2	7.4
WNW	.9	1.1	1.3	1.7	.3	.1	.1					5.4	5.6
NW	.1	1.0	2.8	2.1	.8	.2	.1					7.1	11.7
NNW	.1	1.7	2.5	2.9	.1							7.3	9.6
VARBL													
CALM												2.6	
	10.5	21.4	32.1	26.2	4.8	2.1	.3					170.4	9.1

TOTAL NUMBER OF OBSERVATIONS 1021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10947

MARSHALL AAF KS

65-70, 74-78

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.7	4.2	3.0	.1							11.6	5.4
NNE	.5	1.9	3.3	.4								6.1	7.7
NE	1.1	1.7	1.4	.2								3.6	6.7
ENE	.6	.5	.7	.3								1.1	6.0
E	.5	.7	.8	.6								2.5	7.2
ESE	.2	.5	.5	.3								1.5	7.5
SE	.3	.4	.7	.5								1.9	7.6
SSE	.4	1.4	1.4	.4								3.5	6.6
S	.8	3.0	2.3	2.5	.3	.3						9.3	6.8
SSW	1.2	2.5	3.3	2.3	1.4	.3						11.0	9.8
SW	.3	2.9	2.7	2.1	.5	.1						8.6	8.9
WSW	.3	2.9	2.7	.6	.1							6.6	7.2
W	.9	2.2	1.3	.3								4.7	5.5
WNW	.7	1.4	1.2	1.2	.2	.2						4.8	9.5
NW	.3	1.3	2.5	1.9	.6	.1						6.6	10.2
NNW	.5	1.7	3.5	2.9								6.6	9.3
VARBL													
CALM												6.4	
	17.0	27.0	32.6	19.5	3.1	1.0						170.0	7.8

TOTAL NUMBER OF OBSERVATIONS

1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17447
STATION

MARSHALL AAF MS
STATION NAME

65-70, 74-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.8	2.8	1.7	.4							4.3	6.0
NNE	.6	1.6	1.6	.4	.1							4.2	7.0
NE	1.0	.6	1.4	.5	.1							3.5	7.0
ENE	.9	1.2	.7	.3								2.9	6.1
E	.5	1.2	.7	.4								2.7	5.4
ESE	.5	.6	.5	.3								1.9	6.6
SE	.1	.6	.9	.3								1.6	7.5
SSE	.5	.8	1.6	.3								3.4	6.7
S	2.1	1.8	1.8	1.7	.5	.1						7.5	7.5
SSW	2.2	3.7	1.8	1.9	.3	.2						13.0	7.3
SW	2.8	2.3	.6	.6	.3							6.6	5.4
WSW	1.3	.7	.8	.4								3.1	5.5
W	1.0	.5	.5	.2	.2							2.3	6.1
WNW	.5	.2	.2	.5	.1							1.5	8.0
NW	.6	1.2	1.3	.2	.1							3.3	7.3
NNW	1.1	2.0	1.8	1.4	.5							6.6	8.3
VARBL													
CALM												29.1	
	16.9	21.6	18.7	10.9	2.5	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947

MARSHALL AAF KS

65-70, 74-78

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.4	2.3	1.6	.1							8.3	7.6
NNE	1.1	1.3	2.3	.6								5.3	6.6
NE	.9	.7	1.0	.4	.1							3.0	6.4
ENE	.5	.8	.5	.1								1.9	6.4
E	.4	.5	.6	.7								2.2	7.6
ESE	.4	.8	.2									1.4	4.5
SE	.4	.9	1.4	.6								3.2	7.5
SSE	.4	.9	.9	.6	.4							3.1	8.5
S	1.6	2.2	.8	1.9	.5							7.0	8.2
SSW	2.4	3.7	1.5	1.9	.4	.3	.2	.2				9.9	8.5
SW	2.1	2.6	1.0	.8	.2	.1						6.7	6.2
WSW	1.4	1.5	.5	.2								3.5	4.7
W	.7	.7	.3	.4	.4							2.3	6.0
WNW	.1	.5	.5	.6	.1	.1						1.5	10.8
NW	.4	.7	1.2	.6	.2							3.0	5.7
NNW	.4	.9	2.1	1.8	.2							5.3	8.2
VARBL													
CALM												12.0	
	13.9	21.3	16.9	12.5	2.5	.5	.2	.2				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

1023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATD WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13447
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-76
YEARS

DEC
MONTH

ALL WEATHER
CLAS

ALL
MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.4	3.2	2.0	.2							3.8	6.3
NNE	1.2	1.6	2.1	.8	.7							5.7	6.9
NE	.9	1.7	1.1	.6	.7							3.7	6.7
ENE	.6	.7	.8	.2								2.2	6.1
E	.5	.6	.7	.5								2.4	7.2
ESE	.4	.6	.4	.2	.7							1.7	6.6
SE	.3	.6	.6	.3	.0							1.8	6.7
SSE	.6	.7	1.1	.5	.1							3.0	7.7
S	1.5	1.9	1.5	1.8	.5	.2	.8					7.4	8.6
SSW	2.0	2.6	1.9	2.3	.7	.4	.1	.0				10.0	9.0
SW	1.9	3.2	1.8	1.3	.4	.2	.0					8.7	7.4
WSW	1.2	2.0	1.4	.4	.0	.0						5.1	6.0
W	.8	1.2	1.1	.4	.1	.0						3.6	6.5
WNW	.5	.7	.9	.9	.1	.1	.0					3.3	9.1
NW	.6	1.1	1.7	1.1	.3	.1	.0					4.8	9.1
NNW	.6	1.4	2.7	1.6	.1							6.4	8.6
VARBL													
CALM												21.4	
	14.5	22.2	23.1	15.0	2.6	.9	.2	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

2181

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1747 MARSHALL AAF KS 65-71,74-79 ALL MONTH ALL HOURS (L.S.T.)

STATION STATION NAME YEARS

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	2.5	1.4	.2	.0	.0					7.3	7.7
NNE	1.4	1.6	1.6	.6	.0	.0						5.2	5.3
NE	1.2	1.6	1.3	.4	.0	.0						4.5	6.0
ENE	.8	1.3	1.0	.3	.0	.0						3.3	6.1
E	.2	1.3	1.2	.4	.0	.0						3.8	6.4
ESE	.5	1.0	.8	.3	.1	.0						2.6	6.6
SE	.5	1.0	1.3	.6	.1	.0	.0					3.5	7.7
SSE	.5	1.3	2.1	1.6	.3	.1	.0	.0				5.9	9.2
S	1.2	2.0	3.4	4.4	1.3	.4	.1	.0				12.7	10.8
SSW	1.3	2.0	2.4	2.4	.7	.2	.0	.0				9.0	9.5
SW	1.2	1.9	1.4	1.0	.2	.1	.0					5.8	7.4
WSW	.8	1.3	.9	.4	.1	.0						3.3	6.5
W	.6	.9	.8	.4	.1	.0	.0					2.9	6.9
WNW	.3	.6	.7	.5	.1	.0	.0					2.2	6.3
NW	.4	.7	1.0	.7	.2	.0	.0					3.0	6.8
NNW	.5	1.1	1.5	1.0	.1	.0	.0					4.3	5.4
VARBL													
CALM												20.7	
	13.2	21.6	24.0	16.0	3.5	.9	.1	.0				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 95217

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17047 MARSHALL AAF KS 65-71,74-79
STATION NAME YEARS
INSTRUMENT
CLASS
CIG 200 TO 1400 FT 4/ VSBY 1/2 MI OR MORE,
CONDITION
AND/OR VSBY 1/7 TO 2-1/2 MI 6/CIG 200 FT OR MORE
ALL MONTH
ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.2	5.3	3.1	.3	.1						13.7	6.5
NNE	1.7	3.1	4.5	2.0	.1	.0						11.5	7.5
NE	1.2	4.0	3.8	1.2	.1							11.0	6.7
ENE	1.0	2.9	2.6	.7	.1	.0						7.3	6.7
E	1.0	2.0	2.5	1.4	.1							7.0	7.6
ESE	.5	1.3	.9	.5	.2	.0						3.4	7.6
SE	.6	.7	.9	.6	.1							2.9	7.0
SSE	.4	.2	1.6	.9	.1	.0						3.0	6.7
S	.3	1.5	2.1	1.5	.2	.1						6.3	6.7
SSW	.4	.4	1.4	.9	.2	.0						3.7	6.5
SW	.4	.5	.6	.3	.0							1.6	6.7
WSW	.4	.4	.3	.2	.0	.0						1.4	6.4
W	.5	.6	.5	.2	.1							1.9	6.6
WNW	.4	.5	.8	.3	.2							2.2	6.0
NW	.3	.7	.9	.8	.2	.0	.0					2.9	6.6
NNW	.5	1.5	1.7	1.4	.2	.0	.0					5.5	6.5
VARBL													
CALM												13.4	
	12.6	24.7	30.5	15.8	2.0	.5	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7683

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	≥ 0
NO CEILING															
≥ 1800															
≥ 1500					91.0										92.6
≥ 1200															
≥ 1000															
≥ 900															
≥ 800															
≥ 700															
≥ 600															
≥ 500										97.4					98.1
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0					95.4		96.9			98.4					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.4%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH
 AFM F140
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17 47
 STATION

MARSHALL AFB MS
 STATION NAME

66-71,75-77
 YEARS

JAN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-0000
 HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	57.5	61.5	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	57.3	63.8	64.1	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	59.3	63.4	64.1	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	59.3	63.8	64.1	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	59.4	63.9	64.2	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 12000	59.7	64.2	64.5	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	62.7	67.4	67.8	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000	62.0	67.4	67.7	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 8000	65.1	69.8	70.1	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 7000	65.6	70.5	70.8	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	66.8	71.7	71.9	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 5000	67.8	72.7	73.0	73.3	73.4	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4500	67.9	72.9	73.2	73.5	73.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4000	69.4	75.3	75.7	76.0	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3500	69.4	75.1	76.5	76.8	76.9	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3000	70.5	77.3	77.7	78.0	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2500	71.3	78.7	79.1	79.4	79.5	79.5	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2000	73.3	81.5	82.0	82.5	82.6	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	73.8	82.4	82.9	83.6	83.7	83.8	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1500	74.4	83.7	84.2	84.8	84.9	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	75.4	85.0	85.5	86.7	86.9	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	75.9	86.3	87.3	88.2	88.4	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900	76.0	86.6	88.1	89.1	89.4	89.9	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	76.1	87.2	89.0	90.3	90.7	91.2	91.2	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 700	76.1	87.2	89.1	90.7	91.1	91.4	91.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 600	76.1	87.3	89.4	91.1	91.6	92.2	92.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500	76.1	87.5	89.8	91.5	92.3	92.9	92.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 400	76.1	87.5	89.8	91.6	92.7	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 300	76.1	87.6	89.9	91.7	92.9	93.5	93.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 200	76.1	87.6	89.9	91.7	92.9	93.5	93.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 100	76.1	87.6	89.9	91.7	93.0	93.5	93.5	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 0	76.1	87.6	89.9	91.7	93.0	93.5	93.5	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS 1023

1. USAF ETAC
2. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10-47
STATION

MARSHALL AFB MS

STATION NAME

65-71, 75-79

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-0500
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥0
NO CEILING	53.7	58.7	59.3	59.4	59.6	59.7	59.7	59.9	60.0	60.3	60.7	61.3	61.3	61.3	61.3	61.3
≥ 20000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4500	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 3500	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 3000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 2500	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 2000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 1800	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 1500	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 1200	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 1000	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 900	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 800	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 700	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 600	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 500	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 400	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 300	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 200	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 100	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 0	55.0	61.7	62.4	62.5	62.7	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3

TOTAL NUMBER OF OBSERVATIONS 1,23

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-47
STATION

WHEEL HALL AAF KS

STATION NAME

66-71,75-79

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	52.4	56.6	57.1	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	55.6	60.4	60.9	60.9	61.2	61.3	61.5	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	55.6	60.4	60.9	60.9	61.2	61.3	61.5	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	55.6	60.4	60.9	60.9	61.2	61.3	61.5	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000	55.7	60.5	61.0	61.0	61.3	61.4	61.6	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000	57.2	61.2	62.3	62.4	62.7	62.8	63.1	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5
≥ 10000	57.6	65.6	66.0	66.1	66.4	66.5	66.9	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	57.6	65.6	66.2	66.3	66.6	66.7	67.1	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5
≥ 8000	62.1	67.1	67.6	67.8	68.1	68.2	68.6	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	63.2	68.2	68.7	68.9	69.2	69.3	69.7	69.9	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1
≥ 6000	63.5	68.6	69.2	69.4	69.7	69.8	70.2	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 5000	63.8	69.2	69.8	70.0	70.3	70.4	70.7	70.9	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4500	63.7	69.3	69.9	70.1	70.4	70.5	70.8	71.0	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	65.3	71.2	72.0	72.3	72.6	72.7	73.1	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3500	66.1	72.3	73.1	73.4	73.8	73.9	74.3	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	66.7	73.5	74.6	74.9	75.3	75.4	75.9	76.0	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2500	67.7	74.8	75.5	76.2	76.7	76.8	77.2	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6
≥ 2000	68.5	76.9	75.1	76.5	77.1	77.2	77.6	77.8	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1800	68.7	77.5	73.7	79.3	80.0	80.1	80.6	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1500	69.6	79.2	80.5	81.3	82.3	82.5	83.1	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1200	70.5	81.5	82.1	82.9	84.1	84.4	85.2	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000	71.2	82.3	84.1	84.9	86.4	86.7	87.3	87.6	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	71.3	82.7	84.5	85.8	87.4	87.3	88.5	88.8	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1
≥ 800	71.5	83.4	85.7	87.0	89.8	89.4	90.5	91.1	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	71.5	83.9	86.3	87.8	89.8	89.4	92.0	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	71.5	84.1	86.6	88.2	91.3	90.9	92.9	93.7	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4
≥ 500	71.6	84.3	87.1	88.9	91.3	92.0	94.6	95.7	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	71.6	84.3	87.2	89.1	91.8	92.6	95.8	97.3	97.5	97.9	98.2	98.3	98.3	98.3	98.3	98.3
≥ 300	71.6	84.3	87.2	89.1	91.8	92.6	95.8	97.3	97.5	97.9	98.2	98.3	98.3	98.3	98.3	98.3
≥ 200	71.6	84.3	87.2	89.1	91.8	92.6	95.8	97.3	97.5	97.9	98.2	98.3	98.3	98.3	98.3	98.3
≥ 100	71.6	84.3	87.2	89.1	91.8	92.6	95.8	97.3	97.5	97.9	98.2	98.3	98.3	98.3	98.3	98.3
≥ 0	71.6	84.3	87.2	89.1	91.8	92.6	95.8	97.3	97.5	97.9	98.2	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 1022

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1947
STATION

MARSHALL AAF KS
STATION NAME

56-71,75-79
YEARS

1A
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

4900-1100
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	48.9	52.2	52.2	52.5	52.7	53.2	53.5	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	52.2	55.7	55.7	56.0	56.5	57.0	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	52.2	55.7	55.7	56.0	56.5	57.0	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000	52.2	55.7	55.7	56.0	56.5	57.0	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	52.2	56.0	56.0	56.3	56.8	57.3	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000	54.4	58.1	58.1	58.4	58.8	59.3	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 10000	59.1	63.0	63.0	63.2	63.7	64.2	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	59.5	63.3	63.3	63.6	64.1	64.6	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 8000	62.1	66.5	66.6	66.9	67.4	67.8	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	63.1	67.7	67.8	68.1	68.6	69.1	69.4	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 6000	63.7	68.6	68.7	69.1	69.6	70.1	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 5000	64.4	69.7	69.8	70.3	70.9	71.4	71.7	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	64.7	70.3	70.3	70.6	71.2	71.7	71.9	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 4000	65.1	71.0	71.2	71.7	72.3	72.8	73.4	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	65.5	71.5	71.7	72.2	72.9	73.6	74.0	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 3000	66.1	72.1	72.5	73.2	74.1	74.8	75.2	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 2500	67.2	73.3	74.0	74.9	75.9	76.5	76.9	77.2	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4
IV 2000	68.2	75.0	76.3	77.2	78.3	79.1	79.6	79.9	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.4
IV 1800	68.4	76.5	77.7	78.1	79.5	80.3	80.7	81.0	81.2	81.3	81.4	81.5	81.5	81.5	81.5	81.5
IV 1500	69.2	77.4	78.5	79.7	81.0	81.8	82.4	82.7	82.9	83.0	83.3	83.4	83.4	83.4	83.4	83.4
IV 1200	70.3	78.7	80.4	81.8	83.4	84.5	85.1	85.4	85.6	85.7	86.0	86.1	86.2	86.2	86.2	86.2
IV 1000	70.2	79.9	81.8	83.4	84.9	86.0	87.0	87.6	87.8	88.0	88.3	88.4	88.6	88.6	88.6	88.6
IV 900	70.2	80.5	83.7	84.8	86.5	87.8	89.0	89.7	90.0	90.2	90.4	90.7	91.0	91.0	91.0	91.0
IV 800	70.2	81.1	83.8	85.7	88.0	89.2	90.5	91.4	91.7	92.1	92.5	92.6	93.0	93.0	93.0	93.0
IV 700	70.2	81.3	84.0	86.0	88.3	89.7	91.1	92.7	93.0	93.4	93.7	93.8	94.2	94.2	94.2	94.2
IV 600	70.2	81.5	84.4	86.5	89.0	90.7	92.5	94.1	94.4	95.1	95.6	95.7	96.1	96.1	96.1	96.1
IV 500	70.3	81.7	84.7	86.9	89.3	91.2	93.4	95.2	95.5	96.2	96.5	97.1	97.7	97.7	97.7	97.7
IV 400	70.3	81.7	84.7	86.9	89.3	91.3	93.5	95.9	96.1	96.9	97.0	98.0	98.9	98.9	98.9	98.9
IV 300	70.3	81.7	84.7	86.9	89.3	91.3	93.5	96.0	96.3	97.1	98.1	98.3	99.5	99.5	99.5	99.5
IV 200	70.3	81.7	84.7	86.9	89.3	91.3	93.5	96.0	96.3	97.1	98.1	98.3	99.5	99.5	99.5	99.5
IV 100	70.3	81.7	84.7	86.9	89.3	91.3	93.5	96.0	96.3	97.1	98.1	98.3	99.5	99.5	99.5	99.5
IV 0	70.3	81.7	84.7	86.9	89.3	91.3	93.5	96.0	96.3	97.1	98.1	98.3	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 1423

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1947
STATION

MARSHALL AAF MS

STATION NAME

66-71,75-79

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	52.6	54.7	54.6	55.2	55.6	55.8	55.4	55.9	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 20000	55.7	58.1	58.2	58.6	58.9	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 18000	55.9	58.3	58.4	58.7	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 16000	55.7	58.3	58.4	58.7	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 14000	57.2	59.5	59.6	60.0	60.4	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 12000	58.2	61.7	61.8	62.2	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 10000	59.3	67.9	68.3	68.4	68.9	69.1	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 9000	55.7	66.3	68.4	68.8	69.3	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	67.7	70.5	71.1	71.6	72.0	72.2	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 7000	64.2	71.7	71.6	72.1	72.6	72.8	72.8	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
IV 6000	59.7	72.2	72.7	73.3	73.8	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3
IV 5000	64.7	73.7	74.3	75.1	75.6	75.8	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4500	69.8	73.3	74.4	75.2	75.7	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4000	70.5	74.8	75.4	76.3	77.1	77.4	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 3500	70.7	75.0	75.6	76.5	77.3	77.6	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3000	71.9	76.6	77.4	78.4	79.3	79.6	79.9	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500	72.7	78.0	78.9	79.9	80.7	81.7	81.3	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2000	73.6	80.1	81.0	82.3	83.2	83.5	83.9	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800	73.7	81.7	81.7	83.1	84.1	84.4	84.8	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1500	74.5	82.2	83.2	84.7	85.8	86.1	86.6	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200	75.3	83.4	84.6	86.3	87.7	88.2	88.7	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1000	75.7	83.9	85.9	87.8	89.5	90.2	91.1	91.4	91.6	91.8	91.9	91.9	91.9	92.1	92.1	92.1
IV 900	75.7	84.2	86.6	88.5	90.5	91.2	92.2	92.6	92.8	93.0	93.2	93.2	93.2	93.4	93.4	93.4
IV 800	75.7	84.4	87.0	89.2	91.6	92.4	93.5	94.0	94.2	94.7	95.0	95.0	95.2	95.2	95.2	95.2
IV 700	75.7	84.7	87.7	89.9	92.5	93.5	95.0	95.6	95.8	96.3	96.6	96.6	96.6	96.8	96.8	96.8
IV 600	75.7	84.9	87.7	90.1	92.8	93.7	96.2	97.1	97.3	97.8	98.1	98.4	98.6	98.6	98.6	98.6
IV 500	75.9	85.1	88.0	90.4	93.1	94.2	96.6	97.6	97.8	98.4	99.0	99.3	99.5	99.5	99.5	99.5
IV 400	75.9	85.1	88.0	90.4	93.1	94.2	96.6	97.6	97.8	98.5	99.3	99.6	99.9	99.9	99.9	99.9
IV 300	75.9	85.1	88.0	90.4	93.1	94.2	96.7	97.7	97.8	98.6	99.4	99.7	100.0	100.0	100.0	100.0
IV 200	75.9	85.1	88.0	90.4	93.1	94.2	96.7	97.7	97.8	98.6	99.4	99.7	100.0	100.0	100.0	100.0
IV 100	75.9	85.1	88.0	90.4	93.1	94.2	96.7	97.7	97.8	98.6	99.4	99.7	100.0	100.0	100.0	100.0
IV 0	75.9	85.1	88.0	90.4	93.1	94.2	96.7	97.7	97.8	98.6	99.4	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

JAS
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1520-1700
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥4	≥0
NO CEILING ≥ 20000	54.8	57.6	58.1	58.3	58.5	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	58.6	61.9	62.4	62.7	62.9	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	59.6	61.9	62.4	62.7	62.9	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	60.3	62.7	63.2	63.5	63.7	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	61.5	65.0	65.5	65.8	65.9	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 10000	66.4	70.5	71.0	71.5	71.7	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	66.6	70.7	71.2	71.7	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000	69.9	73.4	74.0	74.5	74.7	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 7000	69.8	74.4	75.0	75.5	75.7	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	70.4	75.2	75.9	76.4	76.6	76.7	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	71.1	76.4	77.2	77.7	78.0	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4500	71.1	76.4	77.2	77.8	78.0	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4000	71.6	77.5	78.3	78.9	79.1	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3500	71.6	78.0	78.8	79.4	79.5	79.6	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	72.7	79.3	80.7	80.9	81.1	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7
≥ 2500	73.3	80.3	81.4	82.1	82.4	82.5	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2
≥ 2000	74.6	82.0	83.5	84.2	84.6	84.7	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6
≥ 1800	75.0	83.3	84.7	85.5	85.9	86.0	86.6	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0
≥ 1500	75.9	85.3	86.6	87.7	88.6	88.6	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8
≥ 1200	76.2	86.1	88.3	89.2	90.4	90.6	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8
≥ 1000	76.3	86.8	89.3	90.5	92.1	92.6	93.4	94.0	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2
≥ 900	76.6	87.2	89.8	91.1	92.7	93.3	94.4	95.0	95.0	95.1	95.1	95.1	95.1	95.2	95.2	95.2
≥ 800	76.6	87.3	90.0	91.5	93.2	93.9	95.1	95.8	95.8	96.0	96.0	96.0	96.0	96.1	96.1	96.1
≥ 700	76.6	87.4	90.1	91.7	93.5	94.3	95.7	96.5	96.5	96.6	96.9	97.0	97.0	97.1	97.1	97.1
≥ 600	76.6	87.4	90.2	91.9	94.0	94.9	96.4	97.5	97.6	97.8	97.9	97.9	97.9	98.0	98.0	98.0
≥ 500	76.6	87.4	90.2	91.9	94.4	95.3	97.0	98.2	98.4	98.7	98.9	98.9	98.9	99.2	99.2	99.2
≥ 400	76.6	87.4	90.2	91.9	94.4	95.4	97.2	98.5	98.7	99.0	99.2	99.2	99.2	99.7	99.7	99.7
≥ 300	76.6	87.4	90.2	91.9	94.4	95.4	97.2	98.5	98.7	99.0	99.3	99.3	99.3	99.9	99.9	99.9
≥ 200	76.6	87.4	90.2	91.9	94.4	95.4	97.2	98.5	98.7	99.0	99.3	99.3	99.3	99.9	99.9	99.9
≥ 100	76.6	87.4	90.2	91.9	94.4	95.4	97.2	98.5	98.7	99.0	99.3	99.3	99.3	99.9	99.9	99.9
≥ 0	76.6	87.4	90.2	91.9	94.4	95.4	97.2	98.5	98.7	99.0	99.3	99.3	99.3	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1022

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-47
STATION

MARSHALL AAF KS

STATION NAME

66-71,75-79

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.16	≥.1	≥0
NO CEILING	57.1	51.4	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	60.3	64.5	64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 18000	60.3	64.3	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 16000	60.3	64.8	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000	60.4	64.9	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 12000	61.4	65.2	66.2	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000	67.2	72.4	72.7	72.9	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 9000	67.4	72.7	73.0	73.2	73.4	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	69.3	74.4	74.7	74.9	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	69.6	75.0	75.3	75.5	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	71.2	76.6	76.9	77.1	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 5000	71.6	77.3	77.7	77.9	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4500	71.7	77.5	77.9	78.1	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000	72.6	79.0	79.5	79.8	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3500	73.3	79.7	80.2	80.4	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3000	73.4	80.5	81.0	81.3	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	73.6	82.1	82.9	83.3	83.6	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000	75.0	84.4	85.1	85.5	85.9	86.1	86.3	86.4	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1800	75.5	85.1	86.0	86.4	86.9	87.1	87.3	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1500	76.4	87.1	88.0	88.5	89.3	89.6	89.8	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	76.6	87.9	89.2	90.0	91.0	91.4	91.7	91.8	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1000	76.6	88.0	89.7	91.9	92.5	93.0	93.3	93.4	93.4	93.6	93.7	93.7	93.8	93.8	93.8	93.8
≥ 900	76.6	88.2	90.1	91.3	93.0	93.5	93.8	93.9	93.9	94.3	94.4	94.4	94.5	94.5	94.5	94.5
≥ 800	76.6	88.5	90.5	91.7	93.4	94.0	94.5	94.7	94.7	95.1	95.2	95.3	95.4	95.4	95.4	95.4
≥ 700	76.6	88.7	90.9	92.2	93.9	94.6	95.3	95.6	95.6	96.0	96.1	96.2	96.3	96.3	96.3	96.3
≥ 600	76.6	89.0	91.2	92.6	94.6	95.3	96.0	96.4	96.4	96.9	97.0	97.1	97.2	97.2	97.2	97.2
≥ 500	76.6	89.0	91.2	92.6	94.6	95.3	96.0	96.8	96.8	97.5	97.6	97.7	97.8	97.8	97.8	97.8
≥ 400	76.6	89.0	91.2	92.6	94.9	95.6	96.4	97.4	97.4	98.0	98.4	98.5	99.0	99.0	99.0	99.0
≥ 300	76.6	89.0	91.2	92.6	94.9	95.6	96.4	97.4	97.4	98.1	98.5	98.6	99.1	99.1	99.1	99.1
≥ 200	76.6	89.0	91.2	92.6	94.9	95.6	96.4	97.4	97.4	98.1	98.5	98.6	99.1	99.1	99.1	99.1
≥ 100	76.6	89.0	91.2	92.6	94.9	95.6	96.4	97.4	97.4	98.1	98.7	98.8	99.4	99.5	99.7	99.7
≥ 0	76.6	89.0	91.2	92.6	94.9	95.6	96.4	97.4	97.4	98.1	98.7	98.8	99.4	99.5	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17547
STATION

MARSHALL AAF XS
STATION NAME

66-71,75-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.2	≥.15	≥.1	≥0
NO CEILING	64.9	62.3	62.5	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000	61.4	64.7	64.9	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 18000	61.4	64.7	64.9	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000	61.4	64.7	64.9	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000	61.4	64.8	65.0	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 12000	62.5	65.8	66.0	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	65.4	68.1	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	65.6	69.4	69.6	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	66.8	70.6	70.8	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 7000	67.8	71.7	71.8	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 6000	68.4	72.4	72.5	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	70.4	73.1	73.5	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4500	70.8	73.6	76.3	76.3	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 4000	72.4	77.9	78.3	78.7	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 3500	73.1	79.3	79.7	80.1	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3000	74.3	81.8	81.8	81.6	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 2500	74.7	81.8	82.7	82.7	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 2000	76.4	84.9	85.1	85.6	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1800	76.8	85.6	86.1	86.6	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1500	77.5	87.2	87.7	88.2	88.7	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1200	77.8	88.2	89.1	89.4	89.9	90.2	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7
IV 1000	78.3	89.1	90.1	90.6	91.2	91.5	91.7	91.9	91.9	91.9	92.1	92.1	92.2	92.2	92.2	92.2
IV 900	79.2	89.6	90.7	91.2	92.0	92.3	92.6	92.8	92.8	92.8	93.1	93.1	93.2	93.2	93.2	93.2
IV 800	78.3	90.7	91.2	91.7	92.7	93.2	93.5	93.6	93.6	93.6	93.9	93.9	94.0	94.0	94.0	94.0
IV 700	79.3	90.3	91.7	92.4	93.6	94.1	94.4	94.6	94.6	94.6	95.0	95.0	95.1	95.1	95.1	95.1
IV 600	78.3	90.4	92.0	92.7	94.0	94.6	95.0	95.3	95.3	95.3	95.4	95.4	95.9	96.0	96.0	96.0
IV 500	78.4	90.6	92.3	93.0	95.0	95.7	96.0	96.8	96.8	96.8	97.4	97.4	97.5	97.5	97.5	97.5
IV 400	78.4	90.6	92.3	93.1	95.4	96.1	96.6	97.2	97.2	97.3	97.6	97.6	97.8	97.9	97.9	97.9
IV 300	78.4	90.6	92.3	93.1	95.4	96.1	96.6	97.3	97.3	97.4	97.8	97.8	98.0	98.1	98.2	98.2
IV 200	78.4	90.6	92.3	93.1	95.4	96.1	96.6	97.4	97.4	97.6	98.3	98.3	98.7	98.9	99.0	99.0
IV 100	78.4	90.6	92.3	93.1	95.4	96.1	96.6	97.4	97.4	97.6	98.3	98.3	98.7	98.9	99.0	99.0
IV 0	78.4	90.6	92.3	93.1	95.4	96.1	96.7	97.5	97.5	97.7	98.4	98.5	98.9	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1023

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1047
STATION

MARSHALL AAF MS
STATION NAME

66-71,75-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	54.5	53.2	55.0	58.7	58.9	59.0	59.1	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	57.3	51.3	61.6	61.9	62.1	62.2	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 18000	57.4	61.4	61.7	62.0	62.2	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	57.4	61.4	61.7	62.0	62.2	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	57.7	61.8	62.1	62.3	62.6	62.7	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 12000	59.2	63.1	63.4	63.6	63.9	64.0	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	63.3	67.7	68.1	68.3	68.6	68.8	68.9	69.1	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4
≥ 9000	63.3	68.0	68.3	68.6	68.9	69.1	69.1	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
≥ 8000	65.4	70.1	70.4	70.7	71.0	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 7000	66.3	71.0	71.4	71.7	72.0	72.1	72.2	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5
IV 6000	67.0	71.9	72.3	72.7	73.0	73.1	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	67.7	73.1	73.4	74.0	74.3	74.4	74.5	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4500	68.0	73.3	73.3	74.2	74.5	74.6	74.7	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.1
IV 4000	69.1	75.0	75.6	76.0	76.4	76.5	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3500	69.7	75.9	76.4	76.9	77.3	77.4	77.6	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 3000	70.5	77.1	77.8	78.3	78.7	78.9	79.0	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2500	71.2	78.4	79.3	79.7	80.2	80.3	80.5	80.7	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9
IV 2000	72.5	80.9	81.7	82.3	82.9	83.1	83.4	83.6	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8
IV 1800	73.0	81.7	82.5	83.3	83.9	84.1	84.4	84.6	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9
IV 1500	73.8	83.2	84.2	85.0	85.8	86.1	86.4	86.7	86.7	86.8	86.9	86.9	87.0	87.0	87.0	87.0
IV 1200	74.3	84.3	85.6	86.5	87.5	87.9	88.3	88.5	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9
IV 1000	74.7	85.3	86.9	88.0	89.2	89.6	90.1	90.5	90.5	90.7	90.8	90.8	90.9	90.9	90.9	90.9
IV 900	74.8	85.7	87.7	88.8	90.1	90.7	91.3	91.7	91.8	92.0	92.2	92.2	92.3	92.3	92.3	92.3
IV 800	74.8	86.1	88.2	89.6	91.1	91.8	92.6	93.1	93.1	93.4	93.6	93.6	93.8	93.8	93.8	93.8
IV 700	74.9	86.5	88.7	90.2	91.9	92.6	93.6	94.2	94.3	94.7	94.8	94.9	95.1	95.1	95.1	95.1
IV 600	74.9	86.6	89.0	90.6	92.4	93.2	94.4	95.2	95.3	95.7	96.0	96.1	96.3	96.3	96.3	96.3
IV 500	75.0	86.8	89.2	90.9	92.9	93.7	95.2	96.2	96.3	96.6	97.1	97.2	97.5	97.5	97.5	97.5
IV 400	75.0	86.8	89.2	90.9	93.1	94.0	95.6	96.9	97.0	97.6	98.1	98.2	98.6	98.6	98.6	98.6
IV 300	75.0	86.8	89.2	90.9	93.1	94.0	95.7	97.0	97.2	97.8	98.5	98.6	99.2	99.2	99.4	99.4
IV 200	75.0	86.8	89.2	90.9	93.1	94.0	95.7	97.1	97.2	97.9	98.5	98.7	99.3	99.4	99.6	99.7
IV 100	75.0	86.8	89.2	90.9	93.1	94.0	95.7	97.1	97.3	97.9	98.6	98.7	99.3	99.4	99.7	100.0
IV 0	75.0	86.8	89.2	90.9	93.1	94.0	95.7	97.1	97.3	97.9	98.6	98.7	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2182

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS

STATION NAME

66-71, 75-79

YEARS

FEES
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2000-01-01
MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.7	≥ 1.4	≥ 1	≥ .7	≥ .5	≥ .3	≥ .16	≥ .	≥ 0
NO CEILING	55.1	62.8	62.9	63.1	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.9
≥ 20000	57.4	64.5	64.6	64.8	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.6
IN 18000	57.4	64.5	64.6	64.8	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.6
IN 16000	57.4	64.5	64.6	64.8	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.6
IN 14000	57.5	64.6	64.7	64.9	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.7
IN 12000	58.7	65.3	65.4	65.6	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.3
IN 10000	59.4	66.7	66.8	67.0	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.7
IN 9000	59.3	67.1	67.2	67.4	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.2
IN 8000	59.1	67.5	67.7	68.0	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.7
IN 7000	59.3	68.7	68.9	69.1	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.9
IN 6000	62.6	70.5	70.8	71.0	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.7
IN 5000	63.9	72.3	72.5	72.7	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.4
IN 4500	64.6	73.5	73.8	74.0	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.7
IN 4000	66.5	76.3	76.6	76.9	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.6
IN 3500	67.4	78.1	78.3	78.6	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.4
IN 3000	69.2	80.4	80.6	81.0	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.9
IN 2500	69.6	81.2	81.4	81.8	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.2
IN 2000	71.0	82.9	83.2	83.9	84.7	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.3
IN 1800	71.1	83.1	84.1	84.9	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.5
IN 1500	72.2	84.4	85.5	86.3	87.3	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.8
IN 1200	73.3	86.2	87.3	88.2	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.8
IN 1000	73.1	86.6	87.6	88.6	89.8	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.4
IN 900	73.3	87.3	88.3	89.4	90.5	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.3
IN 800	73.7	87.4	88.9	90.0	91.3	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	92.0
IN 700	73.7	87.4	89.2	90.6	92.0	92.4	92.5	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.1
IN 600	73.7	87.4	89.4	90.9	92.3	92.6	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.4
IN 500	73.7	87.5	89.5	91.1	92.8	93.2	93.4	94.0	94.0	94.0	94.2	94.2	94.2	94.3	94.3	94.5
IN 400	73.7	87.6	89.6	91.2	93.0	93.4	93.8	94.4	94.4	94.4	94.6	94.7	94.8	95.1	95.1	95.3
IN 300	73.7	87.6	89.7	91.3	93.1	93.7	94.0	94.7	94.7	94.7	95.1	95.4	95.5	95.8	95.8	96.3
IN 200	73.7	87.7	89.7	91.5	93.4	94.0	94.3	95.1	95.1	95.1	95.7	96.0	96.6	97.2	97.2	97.5
IN 100	73.7	87.7	89.9	91.5	93.4	94.0	94.3	95.1	95.1	95.1	95.7	96.1	96.7	97.5	97.7	98.3
IN 0	73.7	87.7	89.9	91.5	93.4	94.0	94.3	95.1	95.1	95.1	95.7	96.1	96.7	97.5	97.7	98.4

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
USAF ETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14047
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0500
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	64.3	61.4	61.6	61.6	61.8	61.3	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.3
≥ 20000	65.9	63.4	63.7	63.7	64.0	64.0	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7
IV 18000	65.9	63.4	63.7	63.7	64.0	64.0	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7
IV 16000	65.9	63.4	63.7	63.7	64.0	64.0	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7
IV 14000	65.9	63.4	63.7	63.7	64.0	64.0	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7
IV 12000	66.2	63.7	64.0	64.0	64.4	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.0
IV 10000	67.5	65.1	65.4	65.4	65.8	65.8	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.4
IV 9000	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 8000	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 7000	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 6000	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 5000	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 4500	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 4000	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 3500	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 3000	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 2500	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 2000	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 1800	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 1500	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 1200	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 1000	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 900	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 800	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 700	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 600	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 500	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 400	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 300	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 200	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 100	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
IV 0	67.6	65.4	65.8	65.8	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-47
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

FEF
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-0000
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	49.1	56.7	57.6	58.0	59.4	59.4	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.9
≥ 20000	50.2	59.3	59.0	59.5	59.9	59.9	60.3	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.8
≥ 18000	50.2	58.0	59.0	59.5	59.9	59.9	60.3	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.8
≥ 16000	50.2	58.0	59.0	59.5	59.9	59.9	60.3	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.8
≥ 14000	50.4	58.3	59.4	59.8	60.2	60.2	60.6	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1
≥ 12000	50.5	58.4	59.5	59.9	60.3	60.3	60.8	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2
≥ 10000	51.6	59.9	61.0	61.4	61.8	61.9	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.8
≥ 9000	52.3	60.3	61.4	61.8	62.3	62.4	62.8	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.2
≥ 8000	53.7	61.8	63.0	63.4	63.9	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.8
≥ 7000	55.2	63.3	64.6	65.1	65.5	65.6	66.1	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.6
≥ 6000	55.3	64.2	65.6	66.1	66.6	66.7	67.2	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.6
≥ 5000	56.6	65.6	67.0	67.5	68.1	68.2	68.8	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.2
≥ 4500	57.2	66.3	67.8	68.2	68.7	68.8	69.5	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.9
≥ 4000	58.8	68.8	70.3	71.0	71.5	71.7	72.5	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	73.0
≥ 3500	59.3	69.2	70.8	71.4	71.9	72.2	72.9	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4
≥ 3000	60.9	71.3	73.1	73.9	74.5	74.7	75.5	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.0
≥ 2500	61.5	72.3	74.0	74.8	75.6	75.6	76.6	76.6	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.1
≥ 2000	63.1	74.9	76.9	77.7	78.6	78.6	79.6	79.6	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.1
≥ 1800	64.5	75.7	77.7	78.6	79.6	79.6	80.6	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.2
≥ 1500	64.5	77.7	79.6	80.6	81.8	82.2	83.1	83.4	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.9
≥ 1200	65.3	78.6	81.4	83.1	84.5	84.7	85.9	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥ 1000	65.6	79.4	82.4	84.2	85.7	86.1	87.1	87.5	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.2
≥ 900	65.8	79.9	83.1	85.1	86.7	87.1	88.7	88.7	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.2
≥ 800	65.7	80.5	83.8	85.6	87.7	88.2	89.2	90.0	90.1	90.3	90.4	90.4	90.4	90.5	90.5	90.5
≥ 700	65.9	81.0	84.2	86.2	88.5	88.9	90.1	90.9	91.0	91.2	91.3	91.3	91.3	91.4	91.5	91.6
≥ 600	66.0	81.4	84.6	87.0	89.6	90.1	91.7	92.8	92.9	93.2	93.3	93.3	93.3	93.4	93.5	93.7
≥ 500	66.1	81.5	85.1	87.4	90.6	91.2	92.8	94.0	94.1	94.5	94.8	94.9	95.1	95.2	95.2	95.3
≥ 400	66.2	82.0	85.7	88.1	91.4	91.9	93.9	95.1	95.6	96.1	96.9	97.3	97.5	97.6	97.6	97.7
≥ 300	66.7	82.0	85.7	88.1	91.4	91.9	93.9	95.2	95.7	96.5	97.7	97.7	98.6	98.7	98.7	98.8
≥ 200	66.7	82.7	85.7	88.1	91.4	91.9	93.9	95.3	95.5	96.7	97.5	98.1	99.1	99.2	99.4	99.7
≥ 100	66.2	82.3	85.7	88.1	91.4	91.9	93.9	95.3	95.8	96.7	97.5	98.1	99.1	99.2	99.5	99.8
≥ 0	66.2	82.7	85.7	88.1	91.4	91.9	93.9	95.3	95.8	96.7	97.5	98.1	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1747

STATION NAME
MARSHALL AAF KS

YEARS
66-71, 75-79

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS
000-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	47.1	50.2	51.1	51.3	51.6	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.9	52.0
≥ 20000	49.5	53.0	53.9	54.1	54.4	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.7	54.8
IV 18000	49.6	53.0	53.9	54.1	54.4	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.7	54.8
IV 16000	49.6	53.0	53.9	54.1	54.4	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.7	54.8
IV 14000	49.7	53.1	54.0	54.2	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.9	54.9
IV 12000	50.0	53.4	54.3	54.5	54.8	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.2	55.3
IV 10000	52.6	56.6	57.6	57.8	58.2	58.3	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.7	58.8
IV 9000	52.9	57.1	58.0	58.2	58.5	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.9	59.0	59.1
IV 8000	55.4	59.7	60.6	60.9	61.3	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.7	61.8	61.9
IV 7000	57.2	61.6	62.4	63.0	63.4	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.9	64.0	64.1
IV 6000	57.5	62.2	63.3	63.5	64.1	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.5	64.6	64.7
IV 5000	59.1	64.4	65.6	65.9	66.6	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.1	67.2
IV 4500	60.1	65.5	66.7	67.0	67.6	67.7	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.1	68.2	68.3
IV 4000	61.3	67.5	68.8	69.1	69.8	69.9	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.4	70.5
IV 3500	62.7	68.4	69.9	70.2	71.0	71.1	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.6	71.7	71.8
IV 3000	63.0	69.5	71.2	71.6	72.7	72.8	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.4	73.5	73.7
IV 2500	63.9	70.3	72.0	72.8	73.9	74.0	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.6	74.7	74.8
IV 2000	64.9	71.5	73.9	74.4	75.6	75.8	76.2	76.2	76.3	76.6	76.6	76.6	76.6	76.7	76.8	76.9
IV 1800	65.3	72.0	74.4	75.2	76.5	76.7	77.2	77.2	77.3	77.5	77.5	77.5	77.5	77.6	77.7	77.8
IV 1500	66.5	74.1	76.6	77.7	79.5	79.9	80.6	81.0	81.1	81.4	81.5	81.5	81.5	81.7	81.8	81.9
IV 1200	67.4	76.2	79.6	81.0	82.7	83.1	83.9	84.3	84.5	84.8	84.9	84.9	84.9	85.2	85.3	85.4
IV 1000	67.5	77.1	80.5	81.9	84.0	84.6	85.4	85.9	86.3	86.7	86.8	86.8	86.8	87.1	87.2	87.3
IV 900	67.5	77.3	80.8	82.4	84.8	85.6	86.9	87.5	88.0	88.3	88.5	88.6	88.6	89.0	89.1	89.2
IV 800	67.5	77.7	81.3	83.0	85.8	87.1	88.4	89.1	89.6	89.9	90.3	90.3	90.3	90.8	90.9	91.0
IV 700	67.7	78.2	82.0	83.9	86.9	88.2	89.5	90.3	90.8	91.2	91.6	91.6	91.6	92.0	92.2	92.3
IV 600	67.7	78.3	82.3	84.2	87.4	88.9	90.4	91.8	92.3	93.0	93.8	93.8	93.8	94.2	94.3	94.4
IV 500	67.7	78.3	82.3	84.2	87.5	89.0	91.8	92.6	93.1	94.2	95.2	95.2	95.2	95.9	96.3	96.6
IV 400	67.7	78.3	82.3	84.2	87.5	89.1	91.3	93.1	93.7	95.1	96.5	96.6	96.6	97.4	97.5	98.1
IV 300	67.7	78.3	82.3	84.2	87.5	89.1	91.3	93.2	93.9	95.4	96.8	97.0	97.0	98.2	98.3	98.9
IV 200	67.7	78.3	82.3	84.2	87.5	89.1	91.3	93.2	93.9	95.5	97.0	97.2	97.2	98.6	98.7	99.6
IV 100	67.7	78.3	82.3	84.2	87.5	89.1	91.3	93.2	93.9	95.5	97.0	97.2	97.2	98.6	98.7	99.8
IV 0	67.7	78.3	82.3	84.2	87.5	89.1	91.3	93.2	93.9	95.5	97.0	97.2	97.2	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
4000 PENTAGON SERVICE/MAO

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF MS
STATION NAME

66-71,75-79
YEARS

FEF
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS, LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	1.5	44.6	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	4.5	58.1	58.9	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 18000	4.4	58.1	58.9	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	4.4	58.1	58.9	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 14000	4.5	58.7	59.6	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 12000	4.5	59.2	60.1	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 10000	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 9000	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 7000	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 5000	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4500	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4000	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 3500	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 3000	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 2500	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 2000	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 1800	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 1500	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 1200	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 1000	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 900	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 800	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 700	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 600	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 500	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 400	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 300	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 200	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 100	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 0	4.5	60.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5

TOTAL NUMBER OF OBSERVATIONS 370

1

DATA PROCESSING BRANCH
USAF ETAC
ATTN: FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF KS

STATION NAME

96-71,75-79

YEARS

FEET
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1/00
HOURS LESS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 20000	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 18000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 16000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 14000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 12000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 10000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 9000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 8000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 7000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 6000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 5000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 4500	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 4000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 3500	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 3000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 2500	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 2000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 1800	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 1500	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 1200	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 1000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 900	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 800	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 700	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 600	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 500	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 400	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 300	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 200	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 100	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 0	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8

TOTAL NUMBER OF OBSERVATIONS 926

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. REPORTING UNIT
2. REPORTING OFFICE
3. REPORTING DATE

CEILING VERSUS VISIBILITY

STATION: MARSHALL AAF MS STATION NAME: YEARS: 66-71, 75-79

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 12000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 8000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 6000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 5000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4500	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3500	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 2500	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 2000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 1800	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 1500	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 1200	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 1000	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 900	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 800	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 700	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 600	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 500	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 400	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 300	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 200	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 100	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 0	52.5	59.5	62.1	61.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1

TOTAL NUMBER OF OBSERVATIONS: 930

DATA PROCESSING BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-547
STATION

MARSHALL AAF MS

STATION NAME

65-71,75-79

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-2400
FOUR-151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	67.2	62.4	62.7	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.5
IV 18000	69.4	64.8	65.4	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1	66.1	66.1	66.2
IV 16000	69.4	64.8	65.4	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1	66.1	66.1	66.2
IV 14000	69.4	64.8	65.4	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1	66.1	66.1	66.2
IV 12000	69.4	64.8	65.4	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1	66.1	66.1	66.2
IV 10000	61.6	67.5	68.4	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.2	69.2	69.2	69.4
IV 9000	61.7	67.6	68.5	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.4	69.4	69.4	69.5
IV 8000	62.3	69.0	69.9	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.8	70.8	70.8	70.9
IV 7000	64.3	71.0	71.8	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.7	72.7	72.7	72.8
IV 6000	64.4	71.0	72.7	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.5	73.5	73.5	73.7
IV 5000	66.2	73.3	74.2	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	75.1	75.1	75.1	75.2
IV 4500	66.3	74.1	74.9	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.8	75.8	75.8	75.9
IV 4000	68.1	76.3	77.2	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.1	78.1	78.1	78.2
IV 3500	69.2	78.0	78.9	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.7	79.7	79.7	79.8
IV 3000	70.0	79.9	80.9	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.9
IV 2500	71.5	81.3	82.7	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.7	83.7	83.7	83.8
IV 2000	73.2	84.4	86.0	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.1
IV 1800	77.3	84.9	86.7	87.1	87.6	87.7	87.7	87.7	87.7	87.7	87.8	87.8	88.0	88.0	88.0	88.1
IV 1500	74.3	86.3	88.4	88.8	89.6	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.0
IV 1200	74.3	87.3	89.3	89.6	90.3	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.8	90.8	90.8	90.9
IV 1000	74.3	87.3	89.4	90.1	90.9	91.0	91.1	91.1	91.1	91.1	91.2	91.2	91.3	91.3	91.3	91.4
IV 900	74.6	88.0	90.0	91.1	91.8	91.9	92.0	92.0	92.0	92.0	92.1	92.1	92.2	92.2	92.2	92.3
IV 800	74.6	88.2	90.0	91.6	92.6	92.8	92.9	92.9	92.9	92.9	93.0	93.0	93.1	93.1	93.1	93.2
IV 700	74.6	88.2	90.0	91.9	93.1	93.3	94.2	94.2	94.2	94.2	94.3	94.4	94.5	94.5	94.5	94.6
IV 600	74.6	88.2	90.0	92.3	93.7	93.9	94.8	94.8	94.8	94.8	94.9	95.1	95.2	95.2	95.2	95.3
IV 500	74.6	88.2	90.0	92.5	94.0	94.4	95.9	95.9	95.9	95.9	96.0	96.2	96.3	96.3	96.3	96.5
IV 400	74.6	88.2	90.0	92.5	94.0	94.4	96.2	96.2	96.2	96.2	96.3	96.8	97.0	97.3	97.3	97.4
IV 300	74.6	88.2	90.0	92.5	94.0	94.4	96.2	96.3	96.3	96.3	96.6	97.3	97.5	97.8	97.8	98.1
IV 200	74.6	88.2	90.0	92.5	94.0	94.4	96.2	96.3	96.3	96.3	96.6	97.4	97.8	98.2	98.4	98.7
IV 100	74.6	88.2	90.0	92.5	94.0	94.4	96.2	96.3	96.3	96.3	96.6	97.5	98.0	98.4	98.7	99.0
IV 0	74.6	88.2	90.0	92.5	94.0	94.4	96.2	96.3	96.3	96.3	96.6	97.5	98.0	98.4	98.7	99.0

TOTAL NUMBER OF OBSERVATIONS 130

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17847
STATION

MARSHALL AAF KS

STATION NAME

65-71,75-78

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 151

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	53.2	55.1	55.5	58.4	59.0	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	55.4	61.3	61.3	61.5	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0
≥ 18000	55.4	61.3	61.3	61.5	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0
≥ 16000	55.4	61.3	61.3	61.5	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0
≥ 14000	55.6	61.3	61.4	61.7	61.9	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
≥ 12000	55.9	61.3	61.9	62.2	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7
≥ 10000	55.2	63.9	64.5	64.7	65.0	65.3	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.4
≥ 9000	55.4	64.7	64.8	65.0	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6
≥ 8000	55.1	65.7	66.3	67.0	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.8
≥ 7000	55.4	67.4	68.7	69.5	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 6000	55.3	68.5	69.4	69.7	70.1	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5
≥ 5000	55.6	70.2	71.1	71.5	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.4
≥ 4500	54.2	71.1	72.0	72.4	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.3
≥ 4000	55.5	73.4	74.4	74.8	75.3	75.4	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8	75.8
≥ 3500	56.5	74.3	75.4	75.8	76.3	76.4	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.9
≥ 3000	57.8	76.2	77.4	77.9	78.4	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.1
≥ 2500	55.7	77.4	78.7	79.3	79.9	80.0	80.3	80.3	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.6
≥ 2000	70.1	79.7	81.3	81.9	82.5	82.7	83.0	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.3	83.3
≥ 1800	70.4	80.4	82.1	82.8	83.5	83.7	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.3
≥ 1500	71.3	82.1	84.1	84.9	85.9	86.1	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.9	86.9	87.0
≥ 1200	71.9	83.5	85.6	86.7	87.8	88.1	88.6	88.6	88.8	89.0	89.0	89.0	89.0	89.1	89.1	89.2
≥ 1000	72.1	84.1	86.4	87.6	88.9	89.4	90.0	90.2	90.3	90.5	90.5	90.5	90.5	90.6	90.6	90.7
≥ 900	72.3	84.5	87.1	88.4	89.8	90.3	91.0	91.3	91.4	91.6	91.6	91.6	91.6	91.7	91.7	91.8
≥ 800	72.4	84.8	87.5	88.9	90.4	91.1	91.9	92.3	92.3	92.5	92.6	92.6	92.6	92.7	92.7	92.8
≥ 700	72.4	85.1	87.8	89.3	91.1	91.8	92.8	93.3	93.4	93.7	93.7	93.7	93.7	93.9	93.9	94.0
≥ 600	72.4	85.1	88.0	89.0	91.6	92.4	93.6	94.3	94.4	94.7	94.8	94.8	94.8	95.0	95.0	95.1
≥ 500	72.5	85.1	88.1	89.8	92.1	92.9	94.2	95.0	95.1	95.6	95.9	96.0	96.2	96.2	96.3	96.4
≥ 400	72.5	85.2	88.2	90.0	92.3	93.1	94.6	95.5	95.7	96.2	96.7	96.7	96.7	97.3	97.4	97.5
≥ 300	72.5	85.2	88.3	90.0	92.3	93.2	94.7	95.6	95.8	96.5	97.2	97.5	97.5	98.1	98.2	98.3
≥ 200	72.5	85.2	88.3	90.0	92.4	93.2	94.8	95.7	96.1	96.7	97.5	97.5	97.5	98.6	98.7	99.0
≥ 100	72.5	85.2	88.3	90.0	92.4	93.2	94.8	95.7	96.1	96.7	97.5	97.5	97.5	98.8	99.1	99.8
≥ 0	72.5	85.2	88.3	90.0	92.4	93.2	94.8	95.7	96.1	96.7	97.5	97.5	97.5	98.8	99.1	99.8

TOTAL NUMBER OF OBSERVATIONS 7437

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS

STATION NAME

66-71,75-79

YEARS

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1001-0000
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	63.5	63.3	63.9	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.5	64.5
≥ 20000	62.5	67.2	67.5	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1
IV 18000	62.8	67.2	67.5	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1
IV 16000	62.8	67.2	67.5	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1
IV 14000	62.8	67.2	67.5	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1
IV 12000	62.9	67.2	67.7	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.3	68.3
IV 10000	64.7	69.0	69.6	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.2	70.2
IV 9000	65.4	69.7	70.3	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.9	70.9
IV 8000	67.3	71.6	72.1	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.7
IV 7000	68.4	72.9	73.5	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.1	74.1
IV 6000	69.7	74.3	74.9	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5
IV 5000	71.5	76.1	76.9	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.4	77.4
IV 4500	71.7	76.7	77.5	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.2	78.2
IV 4000	73.5	78.8	79.7	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4
IV 3500	75.1	80.7	81.6	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.6
IV 3000	77.0	83.3	84.3	84.8	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.4	85.4
IV 2500	77.6	84.4	85.3	85.9	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.5
IV 2000	78.1	85.5	86.6	87.6	87.8	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.3	88.3
IV 1800	78.8	86.3	87.4	88.6	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3
IV 1500	79.5	87.9	89.1	90.2	90.8	90.8	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.3	91.3
IV 1200	80.4	89.8	91.1	92.7	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7
IV 1000	80.5	90.7	92.2	93.9	94.5	94.5	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	95.1	95.1
IV 900	80.7	91.1	92.9	94.7	95.6	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.3	96.3
IV 800	81.1	91.6	93.7	95.7	96.6	96.7	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.6	97.6
IV 700	81.0	91.9	94.1	96.1	97.0	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0
IV 600	81.0	92.0	94.2	96.2	97.2	97.3	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.3	98.3
IV 500	81.0	92.1	94.3	96.3	97.6	97.7	98.3	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.8	98.8
IV 400	81.0	92.1	94.3	96.3	97.7	97.8	98.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	99.1	99.1
IV 300	81.0	92.1	94.3	96.3	97.7	97.8	98.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	99.1	99.1
IV 200	81.0	92.1	94.3	96.3	97.7	97.8	98.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	99.1	99.1
IV 100	81.0	92.1	94.3	96.3	97.7	97.8	98.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	99.1	99.1
IV 0	81.0	92.1	94.3	96.3	97.7	97.8	98.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12347
STATION

MARSHALL AAF KS

STATION NAME

66-71,75-79

YEARS

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-2500
HOURS - EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	58.5	61.1	61.6	62.3	62.4	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.7	62.7	62.8
≥ 20000	58.5	63.9	64.5	65.2	65.3	65.3	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.7
IV 18000	58.5	63.9	64.5	65.2	65.3	65.3	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.7
IV 16000	58.5	63.9	64.5	65.2	65.3	65.3	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.7
IV 14000	58.5	63.9	64.5	65.2	65.3	65.3	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.7
IV 12000	58.6	64.0	64.6	65.3	65.4	65.4	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.8
IV 10000	59.9	65.5	66.0	66.7	66.8	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.2
IV 9000	60.8	66.3	66.9	67.6	67.7	67.7	67.7	67.8	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.1
IV 8000	63.0	68.6	69.2	69.9	70.0	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.3	70.4
IV 7000	64.4	70.0	70.5	71.2	71.3	71.3	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.6	71.6	71.7
IV 6000	65.2	71.0	71.4	72.1	72.2	72.2	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.5	72.5	72.6
IV 5000	67.7	73.6	74.6	75.3	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.9
IV 4500	68.5	74.4	75.3	76.2	76.4	76.4	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.7	76.7	76.8
IV 4000	71.2	77.6	78.6	79.5	79.6	79.6	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9	80.0
IV 3500	71.9	78.5	79.5	80.4	80.6	80.6	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.9	80.9	81.0
IV 3000	73.2	80.1	81.3	82.3	82.6	82.6	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.9	82.9	83.0
IV 2500	73.9	81.0	82.3	83.4	83.8	83.8	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.1	84.1	84.1
IV 2000	75.2	82.9	84.1	85.3	85.7	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.2
IV 1800	75.6	83.4	84.6	85.9	86.4	86.4	86.5	86.6	86.6	86.7	86.7	86.7	86.7	86.8	86.8	86.9
IV 1500	76.4	85.2	86.5	87.8	88.5	88.5	88.6	88.6	88.7	88.9	88.9	88.9	88.9	89.0	89.0	89.1
IV 1200	77.3	87.4	88.7	90.1	91.2	91.2	91.3	91.4	91.5	91.7	91.7	91.7	91.7	91.8	91.8	91.9
IV 1000	77.7	88.1	89.4	90.8	92.2	92.2	92.3	92.4	92.5	92.7	92.7	92.7	92.7	92.8	92.8	92.9
IV 900	77.7	88.6	90.2	91.6	93.1	93.1	93.2	93.2	93.3	93.5	93.5	93.5	93.5	93.6	93.6	93.7
IV 800	78.1	89.5	91.1	92.6	94.1	94.2	94.3	94.6	94.7	94.9	94.9	94.9	94.9	95.0	95.0	95.1
IV 700	78.2	90.1	91.8	93.3	95.2	95.3	95.4	95.7	95.8	96.1	96.1	96.1	96.1	96.2	96.2	96.3
IV 600	78.5	90.4	92.1	93.6	95.5	95.6	95.8	96.2	96.3	96.6	96.6	96.6	96.6	96.7	96.7	96.8
IV 500	78.5	90.9	92.7	94.4	96.4	96.5	97.0	97.4	97.5	97.7	97.7	97.7	97.7	98.0	98.0	98.1
IV 400	78.5	90.9	92.7	94.4	96.6	96.7	97.3	97.7	97.8	98.1	98.1	98.1	98.1	98.3	98.5	98.6
IV 300	78.5	90.9	92.7	94.4	96.6	96.7	97.3	97.9	98.0	98.4	98.5	98.5	98.5	98.7	98.9	99.0
IV 200	78.5	90.9	92.7	94.4	96.6	96.7	97.3	97.9	98.0	98.6	98.7	98.7	98.7	99.2	99.2	99.3
IV 100	78.5	90.9	92.7	94.4	96.6	96.7	97.3	97.9	98.0	98.6	98.7	98.7	98.7	99.2	99.6	99.8
IV 0	78.5	90.9	92.7	94.4	96.6	96.7	97.3	97.9	98.0	98.6	98.7	98.7	98.7	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1022

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0600
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	47.6	52.2	53.7	53.9	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.0
≥ 20000	50.5	55.7	56.5	57.4	57.9	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.6
≥ 18000	50.5	55.7	56.5	57.4	57.9	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.6
≥ 16000	50.5	55.7	56.5	57.4	57.9	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.6
≥ 14000	50.5	55.7	56.5	57.5	58.0	58.3	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.7
≥ 12000	52.1	57.3	58.3	59.3	59.7	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.4
≥ 10000	54.1	59.5	60.5	61.5	62.0	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.7
≥ 9000	55.1	60.6	61.6	62.6	63.1	63.4	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.8
≥ 8000	57.0	63.2	64.2	65.1	65.6	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.3
≥ 7000	59.4	65.0	66.0	67.0	67.5	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.2
≥ 6000	60.9	66.6	67.6	68.6	69.0	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.7
≥ 5000	62.6	68.8	69.8	70.9	71.4	71.7	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.2
≥ 4500	63.6	69.7	71.0	72.1	72.6	72.9	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.4
≥ 4000	65.6	72.5	74.0	75.1	75.6	76.1	76.2	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.6
≥ 3500	66.7	73.8	75.4	76.5	77.0	77.5	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	78.0
≥ 3000	68.0	75.3	77.1	78.3	78.8	79.3	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	80.0
≥ 2500	69.4	77.5	79.2	80.4	81.0	81.5	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.2
≥ 2000	70.9	79.4	81.4	82.6	83.3	83.9	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.7
≥ 1800	71.2	79.9	81.9	83.1	83.8	84.4	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	85.2
≥ 1500	71.9	81.0	83.3	84.4	85.5	86.1	86.4	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.9
≥ 1200	73.1	82.7	85.0	86.3	87.6	88.1	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	89.1
≥ 1000	73.5	83.5	86.5	87.9	89.2	89.9	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	91.0
≥ 900	73.5	84.6	87.9	89.8	91.5	92.4	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.7
≥ 800	73.6	85.3	88.6	90.7	92.5	93.4	94.2	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.9
≥ 700	73.6	85.3	88.9	91.1	92.9	93.9	94.9	95.4	95.5	95.6	95.6	95.7	95.7	95.7	95.7	96.0
≥ 600	73.6	85.3	89.9	91.2	93.3	94.5	95.6	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.8
≥ 500	73.6	85.3	88.9	91.3	93.4	94.7	96.2	96.9	97.0	97.2	97.4	97.5	97.5	97.5	97.5	97.7
≥ 400	73.6	85.4	89.0	91.4	93.7	95.1	96.6	97.3	97.4	97.6	97.9	98.0	98.0	98.0	98.0	98.3
≥ 300	73.6	85.4	89.0	91.4	93.8	95.2	96.7	97.6	97.9	98.5	98.8	98.9	99.0	99.0	99.0	99.3
≥ 200	73.6	85.4	89.0	91.4	93.8	95.2	96.7	97.6	97.9	98.6	98.9	99.0	99.3	99.3	99.3	99.6
≥ 100	73.6	85.4	89.0	91.4	93.8	95.2	96.7	97.6	97.9	98.6	98.9	99.0	99.3	99.4	99.4	100.0
≥ 0	73.6	85.4	89.0	91.4	93.8	95.2	96.7	97.6	97.9	98.6	98.9	99.0	99.3	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1021

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17447
STATION

MARSHALL AAF KS
STATION NAME

56-71,75-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2900-1100
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	51.5	53.7	54.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	55.3	57.8	58.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
≥ 18000	55.3	57.8	58.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
≥ 16000	55.3	57.8	58.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
≥ 14000	55.3	57.8	58.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
≥ 12000	56.4	59.0	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4
≥ 10000	59.1	61.0	61.6	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000	58.9	61.9	62.5	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	61.5	64.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
≥ 7000	63.1	66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8
≥ 6000	64.2	67.5	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
≥ 5000	65.7	69.3	69.6	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4500	66.1	69.4	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	67.7	71.7	72.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	69.6	72.7	73.5	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	71.1	75.4	76.1	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.4	77.4
≥ 2500	71.7	76.7	77.5	78.7	78.9	78.9	79.0	79.0	79.0	79.0	79.2	79.2	79.2	79.2	79.3	79.3
≥ 2000	74.6	80.8	81.7	83.0	83.4	83.4	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.8	83.8
≥ 1800	75.8	82.2	83.2	84.6	85.0	85.0	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.4	85.4
≥ 1500	76.7	83.4	84.4	85.8	86.4	86.4	86.6	86.6	86.6	86.6	86.8	86.8	86.8	86.8	86.9	86.9
≥ 1200	78.1	86.1	87.4	89.2	90.3	90.6	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.2	91.2
≥ 1000	78.0	86.4	88.1	89.9	91.7	92.3	92.7	92.7	92.7	92.7	92.9	92.9	92.9	92.9	93.0	93.0
≥ 900	79.1	86.7	88.5	90.5	92.6	93.2	93.7	93.8	93.8	93.8	94.0	94.1	94.2	94.2	94.3	94.3
≥ 800	78.0	86.9	89.1	91.4	94.0	94.6	95.2	95.3	95.3	95.3	95.5	95.7	95.8	95.8	95.9	95.9
≥ 700	78.0	86.9	89.1	91.6	94.3	94.9	95.7	95.8	95.8	95.8	96.1	96.3	96.4	96.5	96.6	96.6
≥ 600	78.3	86.9	89.1	91.6	94.6	95.3	96.1	96.5	96.5	96.5	96.8	97.0	97.1	97.3	97.5	97.5
≥ 500	78.0	87.0	89.1	91.7	94.7	95.6	96.6	97.3	97.3	97.3	97.6	98.0	98.1	98.3	98.4	98.5
≥ 400	78.1	87.1	89.2	91.8	94.8	95.7	96.8	97.5	97.5	97.5	97.9	98.6	98.7	98.9	99.0	99.1
≥ 300	78.1	87.1	89.2	91.8	94.8	95.8	96.9	97.6	97.6	97.6	98.2	98.9	99.0	99.3	99.4	99.5
≥ 200	78.1	87.1	89.2	91.8	94.8	95.8	96.9	97.6	97.6	97.6	98.3	99.0	99.1	99.4	99.5	99.6
≥ 100	78.1	87.1	89.2	91.8	94.8	95.8	96.9	97.6	97.6	97.6	98.3	99.0	99.1	99.4	99.5	99.6
≥ 0	75.1	87.1	89.2	91.8	94.8	95.8	96.9	97.6	97.6	97.6	98.3	99.0	99.1	99.4	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS 1623

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17047
STATION

MARSHALL AAF KS
STATION NAME

66-71, 75-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	52.4	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	57.7	58.1	61.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IN 18000	57.9	60.3	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IN 16000	57.7	60.3	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IN 14000	58.2	60.6	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IN 12000	58.8	61.5	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IN 10000	60.3	63.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IN 9000	61.3	63.9	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IN 8000	63.4	66.3	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 7000	64.7	67.5	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IN 6000	65.5	68.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IN 5000	66.4	69.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IN 4500	66.5	69.7	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IN 4000	67.6	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IN 3500	69.5	72.9	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IN 3000	74.1	78.1	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IN 2500	77.3	82.1	82.6	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 2000	80.3	86.3	87.1	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IN 1800	80.8	87.2	88.0	88.6	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IN 1500	81.3	88.7	89.5	90.2	90.5	90.5	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IN 1200	81.7	89.9	91.3	92.4	92.8	92.9	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IN 1000	81.9	90.4	92.2	93.3	94.2	94.6	95.2	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 900	82.0	90.4	92.7	94.0	95.1	95.6	96.3	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
IN 800	82.1	90.9	92.8	94.1	95.3	95.8	96.5	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IN 700	82.2	91.0	93.0	94.3	95.6	96.1	96.9	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.7	97.7
IN 600	82.2	91.3	93.3	94.6	96.0	96.7	97.7	98.1	98.2	98.3	98.4	98.4	98.4	98.6	98.7	98.8
IN 500	82.2	91.3	93.3	94.6	96.1	96.8	97.8	98.3	98.4	98.5	98.6	98.7	98.7	98.9	99.0	99.1
IN 400	82.2	91.3	93.3	94.6	96.1	96.8	98.0	98.6	98.7	98.8	98.9	99.1	99.3	99.4	99.5	99.5
IN 300	82.2	91.3	93.3	94.6	96.1	96.8	98.0	98.6	98.7	99.0	99.1	99.3	99.6	99.7	99.8	99.8
IN 200	82.2	91.3	93.3	94.6	96.1	96.8	98.0	98.6	98.7	99.0	99.1	99.3	99.7	99.8	99.9	99.9
IN 100	82.2	91.3	93.3	94.6	96.2	96.9	98.1	98.7	98.8	99.1	99.2	99.4	99.8	99.9	100.0	100.0
IN 0	82.2	91.3	93.3	94.6	96.2	96.9	98.1	98.7	98.8	99.1	99.2	99.4	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-47
STATION

MARSHALL AAF KS

STATION NAME

66-71,75-79

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	58.7	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	60.1	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 18000	60.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 16000	60.5	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 14000	60.6	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 12000	61.2	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	62.9	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 9000	63.0	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 8000	66.0	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 7000	66.9	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 6000	67.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 5000	68.6	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 4500	68.8	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4000	71.7	74.8	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3500	73.9	77.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 3000	77.6	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2500	80.7	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2000	82.6	88.1	89.1	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1800	82.9	88.7	90.0	90.3	91.0	91.0	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2
IV 1500	83.2	90.4	92.3	92.8	93.6	93.6	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200	83.2	90.6	92.9	93.9	94.9	95.0	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	83.3	90.7	93.1	94.1	95.3	95.8	96.0	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	83.3	90.7	93.1	94.1	95.4	96.0	96.2	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7
IV 800	83.3	90.8	93.2	94.3	95.6	96.3	96.5	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2
IV 700	83.3	90.8	93.2	94.3	95.6	96.4	96.6	97.1	97.2	97.3	97.5	97.6	97.6	97.6	97.6	97.6
IV 600	83.3	90.9	93.3	94.5	95.9	96.8	97.0	97.7	97.8	97.8	98.2	98.3	98.3	98.3	98.3	98.4
IV 500	83.4	91.0	93.4	94.7	96.1	97.0	97.3	98.1	98.3	98.5	98.9	99.0	99.1	99.1	99.1	99.2
IV 400	83.4	91.0	93.4	94.7	96.1	97.0	97.3	98.2	98.4	98.6	99.1	99.2	99.3	99.3	99.3	99.4
IV 300	83.4	91.0	93.4	94.7	96.1	97.0	97.3	98.2	98.5	98.7	99.2	99.3	99.4	99.4	99.4	99.6
IV 200	83.4	91.0	93.4	94.7	96.1	97.0	97.3	98.2	98.5	98.7	99.2	99.3	99.5	99.5	99.5	99.8
IV 100	83.4	91.0	93.4	94.7	96.1	97.0	97.3	98.2	98.5	98.7	99.2	99.3	99.5	99.5	99.6	100.0
IV 0	83.4	91.0	93.4	94.7	96.1	97.0	97.3	98.2	98.5	98.7	99.2	99.3	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13-47
STATION

MARSHALL AAF KS

STATION NAME

65-71,75-79

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	60.4	62.8	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 20000	62.2	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	62.3	63.8	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 16000	62.4	63.9	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	62.9	64.3	64.6	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000	63.9	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000	66.3	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 9000	66.6	68.3	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000	70.9	72.8	73.1	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000	71.9	73.8	74.0	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000	73.0	75.0	75.3	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 5000	73.6	75.7	76.0	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500	73.8	76.0	76.4	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	75.3	78.4	78.7	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	76.5	79.6	80.0	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	79.3	83.0	83.3	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2500	81.4	85.4	85.8	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000	82.2	87.0	88.1	88.6	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	82.7	88.1	89.2	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1500	87.3	89.3	90.6	91.6	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	83.3	89.8	91.5	92.7	93.2	93.4	93.5	93.7	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	83.6	90.1	92.1	93.4	94.4	94.7	94.8	95.0	95.2	95.5	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	83.6	90.5	92.5	93.8	95.1	95.5	95.6	95.9	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	83.6	90.5	92.6	94.0	95.3	95.7	95.9	96.2	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	83.6	90.5	92.6	94.0	95.3	95.7	95.9	96.2	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	83.7	90.6	92.8	94.3	95.8	96.2	96.5	97.1	97.5	97.9	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	83.7	90.6	92.8	94.3	95.8	96.3	96.6	97.3	97.7	98.2	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	83.7	90.6	92.8	94.3	95.8	96.3	96.6	97.3	97.8	98.5	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	83.7	90.6	92.8	94.3	95.8	96.3	96.6	97.3	97.8	98.7	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	83.7	90.6	92.8	94.3	95.8	96.3	96.6	97.3	97.8	98.7	99.1	99.2	99.2	99.2	99.2	99.2
≥ 100	83.7	90.6	92.8	94.3	95.8	96.3	96.6	97.3	97.8	98.7	99.1	99.2	99.2	99.2	99.2	99.2
≥ 0	83.7	90.6	92.8	94.3	95.8	96.3	96.6	97.3	97.8	98.7	99.1	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 1021

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-47
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥4	≥0
NO CEILING ≥ 20000	63.3	63.2	63.6	63.7	63.8	63.8	63.8	63.3	63.3	63.8	63.8	63.8	63.8	63.3	63.8	63.8	63.8
IN 18000	63.8	66.8	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IN 16000	63.8	66.8	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IN 14000	63.8	66.2	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IN 12000	64.2	67.2	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IN 10000	65.8	68.7	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IN 9000	66.2	69.1	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IN 8000	68.9	72.3	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IN 7000	70.4	73.5	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IN 6000	71.7	74.9	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IN 5000	72.6	75.8	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IN 4500	73.9	76.1	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IN 4000	74.9	79.1	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IN 3500	76.5	81.1	81.8	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IN 3000	78.4	83.6	84.6	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IN 2500	79.5	85.3	86.1	86.4	86.9	86.9	87.0	87.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IN 2000	80.7	86.9	88.4	88.8	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IN 1800	81.0	87.7	89.1	89.6	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IN 1500	81.5	89.0	90.5	91.0	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IN 1200	82.3	90.9	92.8	93.5	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IN 1000	82.6	91.7	93.9	95.1	95.9	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 900	82.6	92.1	94.5	95.9	96.7	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IN 800	82.7	92.4	94.8	96.2	97.1	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IN 700	82.8	92.7	95.1	96.6	97.7	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IN 600	82.8	92.7	95.1	96.6	97.7	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IN 500	82.8	92.7	95.1	96.7	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 400	82.8	92.7	95.1	96.7	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 300	82.8	92.7	95.1	96.7	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 200	82.8	92.7	95.1	96.7	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 100	82.8	92.7	95.1	96.7	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 0	82.8	92.7	95.1	96.7	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1767
STATION

MARSHALL AFB MS
STATION NAME

66-71,75-79
YEARS

4A-2
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	55.4	53.4	53.0	52.2	51.3	50.3	49.3	48.4	47.4	46.4	45.4	44.4	43.4	42.4	41.4	40.4
≥ 20000	58.9	62.2	62.6	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3
IV 18000	58.9	62.2	62.7	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 16000	59.0	62.2	62.7	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4
IV 14000	59.1	62.3	62.8	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5
IV 12000	59.3	63.1	63.6	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3
IV 10000	61.6	65.1	65.5	66.0	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 9000	62.2	65.6	66.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	64.9	68.5	69.0	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7
IV 7000	66.1	69.9	70.4	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1
IV 6000	67.2	71.0	71.5	71.9	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3
IV 5000	68.6	72.5	73.1	73.5	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.9
IV 4500	69.1	73.0	73.6	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4
IV 4000	71.1	75.5	76.2	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1
IV 3500	72.3	77.1	77.9	78.4	78.5	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.9
IV 3000	74.8	80.1	81.3	81.5	81.8	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1
IV 2500	76.5	82.2	83.1	83.6	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4
IV 2000	78.1	84.6	85.9	86.6	87.0	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4
IV 1800	78.6	85.4	86.7	87.6	88.1	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.5
IV 1500	79.2	86.9	88.3	89.2	89.9	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4
IV 1200	79.9	88.4	90.1	91.3	92.2	92.3	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.9
IV 1000	80.1	89.0	90.9	92.3	93.4	93.7	94.0	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.5
IV 900	80.2	89.4	91.5	93.1	94.4	94.8	95.1	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.7
IV 800	80.3	89.7	92.0	93.6	95.1	95.5	95.9	96.1	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.6
IV 700	80.3	89.9	92.2	93.9	95.5	95.9	96.4	96.7	96.8	97.0	97.1	97.1	97.1	97.2	97.2	97.2
IV 600	80.4	90.0	92.3	94.1	95.7	96.2	96.8	97.3	97.4	97.6	97.7	97.8	97.8	97.8	97.9	97.9
IV 500	80.4	90.1	92.4	94.3	96.3	96.5	97.3	97.8	98.0	98.2	98.4	98.5	98.6	98.6	98.6	98.7
IV 400	80.4	90.1	92.5	94.3	96.1	96.6	97.4	98.0	98.2	98.5	98.7	98.8	98.9	99.0	99.1	99.2
IV 300	80.4	90.1	92.5	94.3	96.1	96.7	97.4	98.1	98.3	98.7	99.0	99.1	99.2	99.4	99.4	99.5
IV 200	80.4	90.1	92.5	94.3	96.1	96.7	97.4	98.1	98.3	98.8	99.1	99.2	99.4	99.5	99.6	99.7
IV 100	80.4	90.1	92.5	94.3	96.1	96.7	97.5	98.1	98.3	98.8	99.1	99.2	99.4	99.5	99.6	99.7
IV 0	80.4	90.1	92.5	94.3	96.1	96.7	97.5	98.1	98.3	98.8	99.1	99.2	99.4	99.5	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 3175

DATA PROCESSING BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1947 STATION MARSHALL AAF MS STATION NAME

66-71, 75-79 YEARS

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

50,000-9,000
FOOT 15'

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	55.4	61.4	62.1	62.4	62.5	62.5	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥20000	60.4	65.5	66.1	66.4	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥18000	60.4	65.5	66.1	66.4	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥16000	60.4	65.5	66.1	66.4	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥14000	62.7	65.9	66.4	66.8	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥12000	61.2	66.5	67.1	67.4	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥10000	63.3	65.3	66.9	67.2	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥9000	63.3	66.3	66.9	69.2	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥8000	65.2	71.4	72.3	72.3	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥7000	66.4	72.0	72.7	73.1	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥6000	67.4	73.2	73.9	74.3	74.7	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥5000	69.1	75.2	75.2	75.3	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥4500	70.0	76.4	77.1	77.5	78.0	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥4000	72.3	79.7	80.6	81.0	81.6	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥3500	72.8	80.6	81.7	82.1	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥3000	73.9	82.3	83.4	84.0	84.6	84.6	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥2500	75.2	83.9	85.4	86.1	86.7	86.7	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥2000	76.4	86.5	88.3	89.0	89.6	89.6	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥1800	77.0	87.6	89.4	90.4	91.0	91.0	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥1500	78.0	88.5	90.5	91.4	92.1	92.1	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥1200	78.4	90.2	92.2	93.1	93.9	93.9	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥1000	79.0	91.2	93.4	94.3	95.3	95.4	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥900	79.2	91.5	93.8	94.7	95.7	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥800	79.2	92.3	94.4	95.5	96.6	96.7	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥700	79.3	92.3	94.9	96.1	97.3	97.4	97.7	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥600	79.3	92.4	95.3	96.4	97.6	97.7	98.1	98.1	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9
≥500	79.3	92.4	95.3	96.6	97.9	98.0	98.6	98.6	98.7	98.8	99.2	99.4	99.4	99.4	99.4	99.4
≥400	79.3	92.5	95.4	96.7	98.0	98.1	98.8	98.8	98.9	99.0	99.1	99.5	99.7	99.7	99.7	99.7
≥300	79.3	92.5	95.4	96.7	98.0	98.1	98.8	98.8	98.9	99.0	99.1	99.5	99.7	99.7	99.7	99.7
≥200	79.3	92.5	95.4	96.7	98.0	98.1	98.8	98.8	98.9	99.0	99.1	99.5	99.7	99.7	99.7	99.7
≥100	79.3	92.5	95.4	96.7	98.0	98.1	98.8	98.8	98.9	99.0	99.1	99.5	99.7	99.7	99.7	99.7
≥0	79.3	92.5	95.4	96.7	98.0	98.1	98.8	98.8	98.9	99.0	99.1	99.5	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 49

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

17047
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-0500
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	57.3	53.2	54.1	54.1	54.8	54.2	55.2	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	53.1	56.6	57.6	57.6	59.3	58.3	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
≥ 18000	53.1	56.6	57.6	57.6	59.3	58.3	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
≥ 16000	53.1	56.6	57.6	57.6	59.3	58.3	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
≥ 14000	53.2	57.0	57.8	57.8	58.5	58.5	58.9	59.0	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000	53.4	57.2	58.0	58.0	58.7	58.7	59.1	59.2	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	54.2	59.0	59.8	59.8	60.5	60.5	60.9	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2
≥ 9000	54.2	59.0	59.8	59.8	60.5	60.5	60.9	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2
≥ 8000	55.3	62.4	63.6	63.6	64.3	64.3	64.7	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1
≥ 7000	55.9	64.7	65.7	65.7	66.4	66.4	66.8	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	61.0	66.4	67.3	67.3	68.0	68.0	68.4	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000	63.1	69.3	70.3	70.3	71.0	71.0	71.4	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	63.4	70.3	71.3	71.3	72.0	72.0	72.4	72.5	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	67.5	74.9	76.5	76.5	77.6	77.6	78.0	78.1	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	68.2	77.4	79.4	79.4	80.1	80.1	81.4	81.5	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3000	69.2	77.4	79.4	79.4	80.1	80.1	81.4	81.5	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	69.5	78.7	80.9	80.9	81.6	81.6	82.5	82.5	82.9	83.0	83.2	83.3	83.3	83.3	83.3	83.3
≥ 2000	71.4	81.4	83.6	83.6	84.4	84.4	85.4	85.4	85.8	85.9	86.1	86.2	86.2	86.2	86.2	86.2
≥ 1800	71.9	82.3	84.5	84.5	85.4	85.4	86.3	86.3	86.7	86.8	87.0	87.1	87.1	87.1	87.1	87.1
≥ 1500	72.4	84.7	87.2	87.2	88.0	88.0	88.9	88.9	89.3	89.4	89.4	89.6	89.7	89.7	89.7	89.7
≥ 1200	74.6	87.3	89.9	89.9	90.7	90.7	91.6	91.6	92.0	92.1	92.1	92.3	92.4	92.4	92.4	92.4
≥ 1000	74.7	88.0	90.6	90.6	91.6	91.6	92.5	92.5	92.9	93.0	93.0	93.2	93.3	93.3	93.3	93.3
≥ 900	75.1	88.5	91.5	91.5	92.5	92.5	93.5	93.5	94.0	94.1	94.1	94.3	94.4	94.4	94.4	94.4
≥ 800	75.1	88.8	92.2	92.2	93.4	93.4	94.5	94.5	95.1	95.2	95.2	95.4	95.5	95.5	95.5	95.5
≥ 700	75.1	88.8	92.5	92.5	94.2	94.2	95.5	95.5	96.1	96.3	96.3	96.6	96.8	96.8	96.8	96.8
≥ 600	75.1	88.9	93.0	93.0	94.4	94.4	95.9	95.9	96.5	96.5	96.9	97.2	97.5	97.5	97.5	97.5
≥ 500	75.1	88.9	93.1	93.1	94.5	94.5	96.1	96.1	96.9	97.4	97.4	97.8	98.1	98.1	98.1	98.1
≥ 400	75.1	88.9	93.1	93.1	94.6	94.6	96.5	96.5	97.2	97.8	97.8	98.4	98.7	98.7	98.7	98.7
≥ 300	75.1	88.9	93.1	93.1	94.6	94.6	96.5	96.5	97.2	97.8	97.8	98.4	98.7	98.7	98.7	98.7
≥ 200	75.1	88.9	93.1	93.1	94.6	94.6	96.5	96.5	97.2	97.8	97.8	98.4	98.7	98.7	98.7	98.7
≥ 100	75.1	88.9	93.1	93.1	94.6	94.6	96.5	96.5	97.2	97.8	97.8	98.4	98.7	98.7	98.7	98.7
≥ 0	75.1	88.9	93.1	93.1	94.6	94.6	96.5	96.5	97.2	97.8	97.8	98.4	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 990

DATA PROCESSING BRANCH
AF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17 47
STATION

MARSHALL AFB MS

STATION NAME

65-71,73-79

YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

500-5000
500-5000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	43.8	47.7	48.8	49.3	49.2	49.3	49.8	49.9	49.9	50.2	50.3	50.3	50.4	50.4	50.5	50.7
≥ 20000	47.5	51.3	53.3	53.8	54.0	54.1	54.7	54.8	54.8	55.1	55.2	55.2	55.3	55.3	55.4	55.6
IV 18000	47.5	51.3	53.3	53.8	54.0	54.1	54.7	54.8	54.8	55.1	55.2	55.2	55.3	55.3	55.4	55.6
IV 16000	47.5	51.3	53.3	53.8	54.0	54.1	54.7	54.8	54.8	55.1	55.2	55.2	55.3	55.3	55.4	55.6
IV 14000	47.7	52.0	53.5	54.3	54.3	54.4	54.9	55.0	55.1	55.3	55.4	55.4	55.5	55.5	55.6	55.8
IV 12000	48.3	52.4	53.4	54.5	54.9	54.9	55.4	55.5	55.5	55.9	55.9	55.9	56.0	56.0	56.1	56.3
IV 10000	50.3	55.2	56.7	57.4	57.8	57.9	58.4	58.5	58.5	58.8	58.9	58.9	59.0	59.0	59.1	59.3
IV 9000	50.4	55.3	56.8	57.5	57.9	58.0	58.5	58.6	58.6	58.9	59.1	59.1	59.2	59.1	59.2	59.4
IV 8000	55.5	59.9	61.6	62.4	63.0	63.1	63.6	63.7	63.7	64.0	64.1	64.1	64.2	64.2	64.3	64.5
IV 7000	55.2	61.4	63.2	64.0	64.6	64.7	65.2	65.3	65.3	65.7	65.9	65.9	66.0	66.0	66.1	66.3
IV 6000	55.5	63.8	65.7	66.5	67.1	67.2	67.7	67.8	67.8	68.2	68.7	68.7	68.8	68.8	68.9	69.1
IV 5000	60.3	66.6	68.7	69.5	70.2	70.3	70.9	71.0	71.0	71.4	71.9	71.9	72.0	72.0	72.1	72.3
IV 4500	71.2	67.3	69.9	70.7	71.5	71.6	72.1	72.2	72.2	72.5	73.1	73.1	73.2	73.2	73.3	73.5
IV 4000	67.8	72.7	74.2	75.0	75.9	76.0	76.5	76.6	76.6	77.0	77.5	77.5	77.5	77.6	77.7	77.9
IV 3500	74.2	72.5	74.8	75.6	76.6	76.7	77.2	77.3	77.3	77.7	78.2	78.2	78.3	78.3	78.4	78.6
IV 3000	64.5	73.3	76.1	76.9	78.0	78.1	78.6	78.7	78.7	79.1	79.7	79.7	79.8	79.8	79.9	80.1
IV 2500	65.4	74.3	77.3	78.1	79.5	79.9	80.5	80.6	80.6	81.0	81.5	81.5	81.6	81.6	81.7	81.9
IV 2000	67.1	77.7	82.5	81.7	83.0	83.4	84.0	84.1	84.1	84.5	85.0	85.0	85.1	85.1	85.2	85.4
IV 1800	67.8	78.6	81.5	82.7	84.0	84.4	85.0	85.1	85.1	85.5	86.0	86.0	86.1	86.1	86.2	86.4
IV 1500	69.3	80.5	84.0	85.4	86.8	87.2	87.9	88.0	88.0	88.4	88.9	88.9	89.0	89.0	89.1	89.2
IV 1200	70.3	82.1	85.4	87.0	88.9	89.3	90.1	90.2	90.2	90.6	91.1	91.1	91.2	91.2	91.3	91.5
IV 1000	70.9	83.0	87.6	89.6	91.5	91.9	92.9	93.0	93.0	93.4	93.9	93.9	94.0	94.0	94.1	94.3
IV 900	71.1	84.4	88.2	90.3	92.2	92.5	93.6	93.7	93.7	94.1	94.6	94.6	94.7	94.7	94.8	95.0
IV 800	71.1	84.5	88.4	90.6	92.6	93.0	94.1	94.3	94.3	94.7	95.2	95.2	95.3	95.3	95.4	95.6
IV 700	71.1	84.5	88.5	90.9	93.2	93.8	95.2	95.4	95.4	95.9	96.5	96.5	96.6	96.6	96.7	96.9
IV 600	71.2	84.5	89.5	91.3	94.0	94.6	96.4	96.7	96.7	97.1	97.3	97.3	97.8	97.9	98.0	98.2
IV 500	71.2	84.9	89.1	91.8	94.6	95.2	97.0	97.3	97.3	97.7	98.4	98.4	98.5	98.5	98.6	98.8
IV 400	71.2	84.9	89.1	91.8	94.8	95.4	97.2	97.5	97.5	98.0	98.7	98.7	98.8	98.8	98.9	99.1
IV 300	71.2	84.9	89.1	91.8	94.9	95.4	97.2	97.5	97.5	98.0	98.7	98.7	98.8	98.8	98.9	99.1
IV 200	71.2	84.9	89.1	91.8	94.8	95.4	97.2	97.5	97.5	98.0	98.7	98.7	98.8	98.8	98.9	99.1
IV 100	71.2	84.9	89.1	91.8	94.8	95.4	97.2	97.5	97.5	98.0	98.7	98.7	98.8	98.8	98.9	99.1
IV 0	71.2	84.9	89.1	91.8	94.8	95.4	97.2	97.5	97.5	98.0	98.7	98.7	98.8	98.8	98.9	99.1

TOTAL NUMBER OF OBSERVATIONS 456

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF MS

STATION NAME

65-71,75-79

YEARS

1971-1979
PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1971-1979
PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	49.5	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	53.2	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	53.2	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	53.2	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	53.2	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000	54.5	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	58.1	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	58.4	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	62.7	65.8	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 7000	63.3	66.6	66.7	66.8	66.9	66.9	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2
≥ 6000	64.2	67.7	67.8	68.1	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5
≥ 5000	65.2	68.9	69.2	69.5	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4500	65.3	69.6	69.9	70.2	70.3	70.3	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000	65.9	73.5	73.8	74.1	74.2	74.2	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500	67.6	74.6	75.1	75.3	75.5	75.5	75.7	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3000	71.5	77.5	78.1	78.3	78.5	78.5	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500	73.1	79.7	80.2	80.5	80.8	80.8	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	75.6	82.6	83.3	83.6	84.2	84.2	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1800	76.0	83.7	84.6	85.1	85.5	85.5	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1500	77.1	86.4	87.0	87.3	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1200	77.6	87.3	88.4	88.5	89.1	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1000	78.1	89.2	91.4	92.0	94.3	94.3	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	78.1	89.5	91.9	93.7	95.0	95.1	95.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	78.1	89.5	92.1	94.2	95.7	96.0	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	78.1	89.5	92.1	94.3	96.3	96.5	97.6	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	78.1	89.5	92.1	94.3	96.5	96.7	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	78.1	89.6	92.4	94.8	97.0	97.2	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	78.1	89.6	92.4	94.8	97.0	97.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	78.1	89.6	92.4	94.8	97.0	97.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	78.1	89.6	92.4	94.8	97.0	97.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	78.1	89.6	92.4	94.8	97.0	97.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	78.1	89.6	92.4	94.8	97.0	97.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 788

DATA PROCESSING BRANCH
 USAF ETAC
 AIRCRAFT SERVICE/MAC

CEILING VERSUS VISIBILITY

1947
 STATION

MARSHALL AAF KS
 STATION NAME

50-71,75-79
 YEARS

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1250-1400
 HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	51.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 7000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 6000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 5000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4500	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 3500	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 3000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2500	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1800	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1500	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1200	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1000	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 900	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 800	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 700	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 600	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 500	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 400	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 300	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 200	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 100	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 0	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0

TOTAL NUMBER OF OBSERVATIONS 999

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13747
STATION

MARSHALL AAF MS
STATION NAME

66-71,75-79
YEARS

889
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	53.4	54.7	54.8	54.5	54.9	54.0	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	57.3	58.4	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2
≥ 18000	57.3	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	57.3	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2
≥ 14000	57.7	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	59.2	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
≥ 10000	61.7	63.4	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7
≥ 9000	62.1	63.5	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1
≥ 8000	65.4	67.7	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	66.5	69.0	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
≥ 6000	67.3	69.6	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	69.5	72.0	72.2	72.2	72.4	72.4	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4500	70.1	72.0	72.5	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4000	75.5	79.3	79.5	79.7	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3500	76.9	81.6	81.9	82.0	82.3	82.3	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	79.3	85.0	85.4	85.5	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	80.9	87.4	87.8	87.9	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	83.3	90.7	91.1	91.3	91.6	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800	83.9	91.5	92.2	92.4	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	84.1	92.7	93.5	93.5	94.1	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	84.3	93.5	94.7	95.3	96.1	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	84.7	94.2	95.8	96.4	97.1	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	84.9	94.4	96.0	96.6	97.3	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	84.9	94.5	96.1	96.7	97.5	97.9	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	85.0	94.7	96.5	97.1	98.2	98.6	98.7	98.7	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	85.0	94.7	96.5	97.1	98.3	98.7	98.9	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	85.0	94.7	96.5	97.1	98.3	98.7	98.9	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	85.0	94.7	96.5	97.1	98.3	98.7	98.9	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	85.0	94.7	96.5	97.1	98.3	98.7	98.9	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	85.0	94.7	96.5	97.1	98.3	98.7	98.9	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	85.0	94.7	96.5	97.1	98.3	98.7	98.9	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	85.0	94.7	96.5	97.1	98.3	98.7	98.9	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 989

DATA PROCESSING BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17547
STATION

MARSHALL AAF MS
STATION NAME

66-71,75-79
YEARS

APC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-2000
HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	57.1	59.1	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	61.8	64.2	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	61.3	64.2	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	61.8	64.2	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000	61.9	64.3	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 12000	62.7	65.2	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 10000	65.2	68.1	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 9000	65.4	68.6	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 8000	69.5	73.5	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 7000	69.9	73.9	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	71.2	75.5	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 5000	73.4	77.7	77.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4500	73.6	78.1	78.3	78.8	78.8	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4000	77.4	82.9	83.3	83.8	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3500	79.9	84.7	85.3	85.8	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	80.7	87.4	88.2	88.5	88.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	81.4	88.7	89.6	90.1	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 2000	81.9	90.4	91.5	92.0	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	82.2	91.1	92.2	92.8	93.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1500	82.3	91.8	93.4	94.0	94.6	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1200	82.3	92.4	94.3	95.1	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	82.3	93.4	95.6	96.4	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	82.5	93.8	96.2	96.9	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	82.5	93.9	96.1	97.0	98.1	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	82.7	94.1	96.3	97.2	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	82.5	94.1	96.3	97.2	98.7	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	82.5	94.1	96.3	97.2	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	82.5	94.1	96.3	97.2	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	82.5	94.1	96.3	97.2	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	82.5	94.1	96.3	97.2	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	82.5	94.1	96.3	97.2	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	82.5	94.1	96.3	97.2	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 990

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF MS
STATION NAME

56-71,75-79
YEARS

AP-2
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-7300
HOURS (EST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.1	≥.05	≥0
NO CEILING	64.2	66.6	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 20000	66.9	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 18000	66.9	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000	66.9	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	67.3	69.8	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 12000	67.3	70.1	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000	69.9	72.0	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 9000	69.9	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 8000	72.9	75.2	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 7000	73.5	76.4	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	74.3	77.1	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 5000	75.3	78.9	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 4500	76.2	80.2	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 4000	77.7	82.5	82.8	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 3500	79.1	84.2	84.5	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3000	80.3	86.1	86.5	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500	81.4	88.2	88.6	89.1	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000	82.4	89.7	90.4	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1800	82.5	89.7	90.6	91.3	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	82.9	90.7	91.5	92.3	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	83.5	92.1	93.4	94.2	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	83.7	92.8	94.4	95.2	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	83.7	93.7	95.4	96.3	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 800	83.7	94.3	95.9	96.9	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	83.8	94.5	96.5	97.6	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	83.8	94.5	96.5	97.6	98.5	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	83.8	94.5	96.5	97.6	98.6	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	83.8	94.5	96.5	97.6	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	83.8	94.5	96.5	97.6	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	83.8	94.5	96.5	97.6	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	83.8	94.5	96.5	97.6	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	83.8	94.5	96.5	97.6	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 989

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1347
STATION

MARSHALL AFB KS

STATION NAME

66-71,75-79

YEARS

AP7

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	53.3	55.8	56.4	56.4	56.5	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	57.3	59.7	60.3	60.5	60.6	60.7	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.0
≥ 18000	57.3	59.9	60.3	60.5	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0
≥ 16000	57.3	59.9	60.3	60.5	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0
≥ 14000	57.3	60.2	60.6	60.8	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3
≥ 12000	57.9	60.9	61.3	61.5	61.7	61.7	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.1
≥ 10000	60.3	63.5	64.0	64.2	64.3	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.7	64.7
≥ 9000	60.9	63.7	64.2	64.4	64.6	64.6	64.7	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	65.0
≥ 8000	64.2	67.8	68.3	68.6	68.8	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2
≥ 7000	65.0	68.8	69.3	69.6	69.8	69.9	70.0	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.3
≥ 6000	66.2	70.2	70.7	71.0	71.3	71.3	71.4	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.8
≥ 5000	67.4	72.3	72.9	73.2	73.5	73.5	73.7	73.7	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.1
IV 4500	68.5	73.1	73.8	74.1	74.4	74.4	74.6	74.6	74.6	74.7	74.8	74.8	74.8	74.8	74.9	74.9
IV 4000	72.3	77.6	78.4	78.8	79.1	79.1	79.4	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.7	79.7
IV 3500	73.1	79.1	80.0	80.4	80.8	80.8	81.0	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.4	81.4
IV 3000	74.7	81.5	82.5	82.9	83.3	83.4	83.6	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.9	84.0
IV 2500	75.9	83.4	84.4	84.9	85.4	85.5	85.8	85.8	85.8	85.9	86.0	86.0	86.0	86.0	86.1	86.1
IV 2000	77.6	86.7	87.2	87.9	88.4	88.5	88.8	88.8	88.8	88.9	89.0	89.0	89.0	89.0	89.1	89.1
IV 1800	78.1	86.8	88.2	88.9	89.4	89.5	89.8	89.8	89.8	89.9	90.0	90.0	90.0	90.0	90.1	90.1
IV 1500	78.8	88.4	90.1	90.6	91.5	91.6	91.8	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.2
IV 1200	79.4	89.7	91.6	92.6	93.4	93.5	93.8	93.8	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.2
IV 1000	79.7	90.6	92.8	93.9	94.9	95.0	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.8	95.8
IV 900	79.9	91.1	93.4	94.6	95.6	95.7	96.2	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.6
IV 800	79.9	91.3	93.7	95.0	96.2	96.4	96.9	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.4
IV 700	79.9	91.4	94.1	95.5	96.9	97.1	97.7	97.8	97.9	98.1	98.2	98.2	98.2	98.2	98.3	98.3
IV 600	79.9	91.5	94.2	95.7	97.2	97.4	98.2	98.4	98.4	98.6	98.8	98.8	98.8	98.9	98.9	99.0
IV 500	79.9	91.6	94.3	95.8	97.4	97.7	98.5	98.7	98.8	99.0	99.3	99.3	99.3	99.3	99.4	99.4
IV 400	79.9	91.6	94.3	95.9	97.5	97.8	98.6	98.9	99.0	99.2	99.5	99.5	99.5	99.6	99.6	99.7
IV 300	79.9	91.6	94.3	95.9	97.5	97.8	98.6	98.9	99.0	99.3	99.6	99.6	99.6	99.7	99.7	99.8
IV 200	79.9	91.6	94.3	95.9	97.5	97.8	98.6	98.9	99.0	99.3	99.6	99.6	99.6	99.7	99.7	99.9
IV 100	79.9	91.6	94.3	95.9	97.5	97.8	98.6	98.9	99.0	99.3	99.6	99.6	99.6	99.7	99.8	99.9
IV 0	79.9	91.6	94.3	95.9	97.5	97.8	98.6	98.9	99.0	99.3	99.6	99.6	99.6	99.7	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 7912

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1747

STATION NAME
MARSHALL AAF KS

66-71, 75-79

YEARS

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	57.3	62.1	63.1	63.4	63.7	63.7	63.9	63.9	63.9	64.0	64.4	64.4	64.4	64.5	64.5	64.5
≥ 20000	61.1	66.9	68.4	68.7	69.0	69.0	69.2	69.2	69.2	69.3	69.7	69.7	69.7	69.8	69.8	69.8
≥ 18000	61.1	66.9	68.4	68.7	69.0	69.0	69.2	69.2	69.2	69.3	69.7	69.7	69.7	69.8	69.8	69.8
≥ 16000	61.1	66.9	68.4	68.7	69.0	69.0	69.2	69.2	69.2	69.3	69.7	69.7	69.7	69.8	69.8	69.8
≥ 14000	61.1	66.9	68.4	68.7	69.0	69.0	69.2	69.2	69.2	69.3	69.7	69.7	69.7	69.8	69.8	69.8
≥ 12000	61.1	66.9	68.4	68.7	69.0	69.0	69.2	69.2	69.2	69.3	69.7	69.7	69.7	69.8	69.8	69.8
≥ 10000	62.6	68.5	70.1	70.4	70.7	70.7	70.9	70.9	70.9	71.3	71.3	71.3	71.3	71.4	71.4	71.4
≥ 9000	62.6	68.5	70.1	70.4	70.7	70.7	70.9	70.9	71.1	71.1	71.1	71.1	71.5	71.5	71.5	71.6
≥ 8000	66.3	72.3	74.1	74.5	74.9	74.9	75.1	75.1	75.1	75.2	75.6	75.6	75.6	75.7	75.7	75.7
≥ 7000	67.7	74.3	75.8	76.2	76.5	76.5	76.7	76.7	76.7	76.8	77.2	77.2	77.2	77.3	77.3	77.3
≥ 6000	68.9	75.6	77.5	77.9	78.3	78.3	78.5	78.5	78.5	78.6	79.0	79.0	79.0	79.1	79.1	79.1
≥ 5000	71.1	78.5	80.5	81.0	81.4	81.4	81.6	81.6	81.6	81.6	82.0	82.0	82.0	82.1	82.1	82.1
≥ 4500	71.6	79.1	81.1	81.6	82.0	82.0	82.2	82.2	82.2	82.3	82.7	82.7	82.7	82.8	82.8	82.8
≥ 4000	73.7	82.8	85.7	85.9	86.6	86.6	86.8	86.8	86.8	86.8	87.2	87.2	87.2	87.3	87.3	87.3
≥ 3500	73.7	83.0	85.4	86.1	85.8	86.8	86.9	87.0	87.0	87.1	87.5	87.5	87.5	87.6	87.6	87.6
≥ 3000	75.0	85.7	88.3	89.1	89.8	89.8	90.0	90.1	90.1	90.2	90.6	90.6	90.6	90.7	90.7	90.7
≥ 2500	75.4	86.3	88.9	89.7	90.7	90.7	90.9	91.0	91.0	91.1	91.5	91.5	91.5	91.6	91.6	91.6
≥ 2000	75.4	87.3	90.0	90.8	91.8	91.8	92.0	92.1	92.1	92.1	92.5	92.5	92.5	92.6	92.6	92.6
≥ 1800	75.9	87.9	90.6	91.4	92.3	92.3	92.5	92.6	92.6	92.7	93.1	93.1	93.1	93.2	93.2	93.2
≥ 1500	76.4	88.7	91.6	92.3	93.4	93.4	93.6	93.7	93.7	93.8	94.2	94.2	94.2	94.3	94.3	94.3
≥ 1200	77.1	90.1	92.9	93.9	95.0	95.0	95.2	95.3	95.3	95.4	95.8	95.8	95.8	95.9	95.9	95.9
≥ 1000	77.2	90.3	93.2	94.2	95.5	95.5	95.7	95.8	95.8	95.9	96.3	96.3	96.3	96.4	96.4	96.4
≥ 900	77.2	90.5	93.4	94.4	95.7	95.7	95.9	96.0	96.0	96.1	96.5	96.5	96.5	96.6	96.6	96.6
≥ 800	77.3	90.6	93.5	94.7	96.0	96.0	96.2	96.3	96.3	96.4	96.8	96.8	96.8	96.9	96.9	96.9
≥ 700	77.4	90.8	93.7	95.0	96.3	96.3	96.5	96.6	96.6	96.7	97.1	97.1	97.1	97.2	97.2	97.2
≥ 600	77.4	91.0	94.0	95.5	97.2	97.2	97.4	97.4	97.4	97.5	97.9	97.9	97.9	98.0	98.0	98.0
≥ 500	77.4	91.4	94.6	96.2	97.8	97.9	98.1	98.2	98.2	98.3	98.7	98.7	98.7	98.8	98.8	98.8
≥ 400	77.4	91.4	94.7	96.5	98.6	98.7	98.9	99.0	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6
≥ 300	77.4	91.4	94.7	96.5	98.6	98.7	98.9	99.0	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6
≥ 200	77.4	91.4	94.7	96.5	98.6	98.7	98.9	99.0	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6
≥ 100	77.4	91.4	94.7	96.5	98.6	98.7	98.9	99.0	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6
≥ 0	77.4	91.4	94.7	96.5	98.6	98.7	98.9	99.0	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1019

DATA PROCESSING BRANCH
AFM 5140
AFM WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

1947
STATION

MARSHALL AAF KS
STATION NAME

66-71.75-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

330-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	45.2	53.6	56.0	56.7	57.8	58.1	58.2	58.4	58.5	58.9	58.9	59.0	59.1	59.1	59.2	59.7
≥ 20000	52.1	58.2	61.0	61.7	62.9	63.2	63.3	63.5	63.6	64.0	64.0	64.1	64.2	64.2	64.3	64.4
≥ 18000	52.1	58.2	61.0	61.7	62.9	63.2	63.3	63.5	63.6	64.0	64.0	64.1	64.2	64.2	64.3	64.4
≥ 16000	52.1	58.2	61.0	61.7	62.9	63.2	63.3	63.5	63.6	64.0	64.0	64.1	64.2	64.2	64.3	64.4
≥ 14000	52.3	58.4	61.2	61.9	63.1	63.4	63.5	63.7	63.8	64.2	64.2	64.3	64.4	64.4	64.5	64.6
≥ 12000	52.6	59.0	61.8	62.5	63.7	64.0	64.1	64.3	64.4	64.8	64.8	64.9	65.0	65.0	65.1	65.2
≥ 10000	54.3	61.2	64.3	65.0	66.1	66.4	66.5	66.7	66.8	67.2	67.2	67.3	67.4	67.4	67.5	67.6
≥ 9000	54.0	61.4	64.5	65.2	66.3	66.6	66.7	66.9	67.0	67.4	67.4	67.5	67.6	67.6	67.7	67.8
≥ 8000	54.3	65.4	68.6	69.3	70.5	70.8	70.9	71.1	71.1	71.5	71.5	71.6	71.7	71.7	71.8	71.9
≥ 7000	54.3	67.1	70.4	71.1	72.2	72.5	72.5	72.8	72.9	73.3	73.3	73.4	73.5	73.5	73.6	73.7
≥ 6000	56.3	68.2	71.5	72.3	73.5	73.9	74.1	74.3	74.4	74.8	74.8	74.9	75.0	75.0	75.1	75.2
≥ 5000	53.2	71.2	74.7	75.5	76.7	77.1	77.3	77.6	77.7	78.1	78.1	78.2	78.3	78.3	78.4	78.5
≥ 4500	53.7	71.9	75.4	76.3	77.6	78.0	78.2	78.6	78.7	79.1	79.1	79.2	79.3	79.3	79.4	79.5
≥ 4000	55.7	75.8	79.7	81.1	82.5	82.9	83.1	83.5	83.6	84.0	84.0	84.1	84.2	84.2	84.3	84.4
≥ 3500	56.0	76.4	80.4	81.8	83.3	83.7	83.9	84.3	84.4	84.8	84.8	84.9	85.0	85.0	85.1	85.2
≥ 3000	67.3	78.3	82.6	84.2	85.7	86.1	86.3	86.7	86.8	87.1	87.1	87.2	87.3	87.3	87.4	87.5
≥ 2500	69.2	79.6	84.0	85.9	87.4	87.8	88.0	88.4	88.5	88.9	88.9	89.0	89.1	89.1	89.2	89.3
≥ 2000	68.8	80.8	85.2	87.1	88.8	89.2	89.4	89.8	89.9	90.3	90.3	90.4	90.5	90.5	90.6	90.7
≥ 1800	69.0	81.4	86.1	88.0	89.7	90.1	90.3	90.7	90.8	91.2	91.2	91.3	91.4	91.4	91.5	91.6
≥ 1500	69.4	82.2	86.4	89.0	90.8	91.2	91.4	91.8	91.9	92.2	92.2	92.3	92.4	92.4	92.5	92.6
≥ 1200	73.3	83.9	88.3	90.5	92.4	92.8	93.0	93.4	93.5	93.9	93.9	94.0	94.1	94.1	94.2	94.3
≥ 1000	70.6	84.0	88.8	91.0	93.0	93.4	93.6	94.0	94.1	94.5	94.5	94.6	94.7	94.7	94.8	94.9
≥ 900	70.9	84.7	89.5	91.7	93.9	94.3	94.5	94.9	95.0	95.4	95.4	95.5	95.6	95.6	95.7	95.8
≥ 800	70.9	84.9	89.8	92.2	94.6	95.0	95.2	95.6	95.7	96.1	96.1	96.2	96.3	96.3	96.4	96.5
≥ 700	71.1	85.4	90.4	92.8	95.3	95.8	96.1	96.5	96.6	97.0	97.0	97.1	97.2	97.2	97.3	97.4
≥ 600	71.1	85.5	90.7	93.2	95.9	96.4	96.7	97.1	97.2	97.5	97.5	97.6	97.7	97.7	97.8	97.9
≥ 500	71.1	85.8	91.1	93.6	96.4	97.1	97.4	97.8	97.9	98.3	98.3	98.4	98.5	98.5	98.7	98.8
≥ 400	71.1	85.8	91.2	93.7	96.6	97.3	97.6	98.1	98.2	98.6	98.7	98.8	98.9	98.9	99.3	99.4
≥ 300	71.1	85.8	91.2	93.7	96.7	97.4	97.7	98.2	98.3	98.7	98.9	99.0	99.1	99.1	99.5	99.6
≥ 200	71.1	85.8	91.2	93.7	96.7	97.4	97.7	98.2	98.3	98.7	98.9	99.0	99.1	99.1	99.5	99.7
≥ 100	71.1	85.8	91.2	93.7	96.7	97.4	97.7	98.2	98.3	98.7	98.9	99.0	99.1	99.1	99.5	99.8
≥ 0	71.1	85.8	91.2	93.7	96.7	97.4	97.7	98.2	98.3	98.7	98.9	99.0	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1019

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13947
STATION

MARSHALL AAF KS
STATION NAME

56-71,75-77
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

650-5000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	43.5	50.7	51.5	52.4	53.2	53.4	53.7	53.8	53.8	53.9	54.0	54.0	54.0	54.0	54.1	54.1
≥20000	49.2	56.7	58.4	59.3	60.3	60.5	60.8	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.2	61.2
IV 18000	49.2	56.7	58.4	59.3	60.3	60.5	60.8	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.2	61.2
IV 16000	49.2	56.7	58.4	59.3	60.3	60.5	60.8	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.2	61.2
IV 14000	49.4	56.9	58.6	59.5	60.5	60.7	61.0	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.4	61.4
IV 12000	49.8	57.2	59.0	59.9	60.9	61.1	61.4	61.4	61.4	61.5	61.6	61.6	61.6	61.6	61.7	61.7
IV 10000	52.7	61.2	63.1	64.0	65.0	65.2	65.5	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.9	65.9
IV 9000	53.1	61.6	63.6	64.5	65.5	65.7	65.9	66.0	66.0	66.1	66.2	66.2	66.2	66.2	66.3	66.3
IV 8000	55.1	64.7	66.8	67.7	68.8	69.1	69.4	69.5	69.5	69.7	69.8	69.8	69.8	69.8	69.9	69.9
IV 7000	56.7	66.5	68.9	69.9	71.1	71.4	71.8	71.9	71.9	72.1	72.2	72.2	72.2	72.2	72.3	72.3
IV 6000	58.8	68.0	70.3	71.2	72.7	73.0	73.4	73.5	73.5	73.7	73.8	73.8	73.8	73.8	73.9	73.9
IV 5000	60.3	70.9	73.4	74.6	76.0	76.3	76.9	77.0	77.0	77.3	77.4	77.4	77.4	77.4	77.5	77.5
IV 4500	60.7	71.5	74.0	75.1	76.6	76.9	77.5	77.6	77.6	77.9	78.0	78.0	78.0	78.0	78.1	78.1
IV 4000	62.4	74.4	77.3	78.7	80.6	80.9	81.5	81.6	81.6	82.0	82.1	82.1	82.1	82.1	82.2	82.2
IV 3500	62.5	74.7	77.8	79.4	81.3	81.6	82.2	82.3	82.3	82.7	82.8	82.8	82.8	82.8	82.9	82.9
IV 3000	63.4	75.7	79.7	80.6	82.8	83.1	83.8	83.9	83.9	84.2	84.3	84.3	84.3	84.3	84.4	84.4
IV 2500	64.2	76.7	80.7	82.1	84.3	84.6	85.3	85.4	85.4	85.8	85.9	85.9	85.9	85.9	86.0	86.0
IV 2000	65.1	77.9	81.9	83.7	86.2	86.5	87.2	87.3	87.3	87.7	87.8	87.8	87.8	87.8	87.9	87.9
IV 1800	65.2	78.4	82.5	84.3	86.9	87.2	88.1	88.2	88.2	88.6	88.6	88.6	88.6	88.6	88.7	88.7
IV 1500	65.5	79.3	83.3	85.1	87.9	88.2	89.0	89.1	89.1	89.5	89.6	89.6	89.6	89.6	89.7	89.7
IV 1200	66.1	79.8	84.2	86.2	89.3	89.6	90.6	90.7	90.7	91.1	91.2	91.3	91.3	91.3	91.4	91.4
IV 1000	66.2	80.7	85.3	87.6	90.7	91.1	92.1	92.2	92.2	92.6	92.8	92.9	92.9	92.9	93.0	93.0
IV 900	66.2	81.2	86.0	88.6	92.0	92.4	93.4	93.5	93.5	93.9	94.1	94.2	94.2	94.2	94.3	94.3
IV 800	66.2	81.7	87.1	89.8	93.3	93.8	94.9	95.1	95.1	95.5	95.7	95.8	95.8	95.8	95.9	95.9
IV 700	66.4	81.9	87.4	90.5	94.2	94.8	95.9	96.1	96.1	96.6	96.8	96.9	96.9	96.9	97.0	97.0
IV 600	66.4	82.0	87.7	91.3	95.1	95.7	96.8	97.0	97.0	97.5	97.7	97.7	97.7	97.7	97.8	97.8
IV 500	66.4	82.1	87.9	91.5	95.4	96.1	97.3	97.7	97.7	98.1	98.5	98.7	98.7	98.7	98.8	98.8
IV 400	66.4	82.2	88.0	91.6	95.5	96.4	97.6	98.0	98.0	98.5	98.9	99.1	99.1	99.1	99.2	99.2
IV 300	66.4	82.2	88.0	91.6	95.5	96.4	97.6	98.0	98.0	98.5	98.9	99.2	99.2	99.2	99.4	99.5
IV 200	66.4	82.2	88.0	91.6	95.5	96.4	97.6	98.0	98.0	98.5	98.9	99.2	99.2	99.2	99.7	100.0
IV 100	66.4	82.2	88.0	91.6	95.5	96.4	97.6	98.0	98.0	98.5	98.9	99.2	99.2	99.2	99.7	100.0
IV 0	66.4	82.2	88.0	91.6	95.5	96.4	97.6	98.0	98.0	98.5	98.9	99.2	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1020

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF MS
STATION NAME

65-71,75-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

937-1100
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	12.5	54.9	55.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IVN 18000 16000	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 14000 12000	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 10000 9000	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 8000 7000	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 6000 5000	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 4500 4000	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 3500 3000	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 2500 2000	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 1800 1500	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 1200 1000	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 900 800	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 700 600	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 500 400	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 300 200	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IVN 100 0	55.4	61.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15-97
STATION

MARSHALL AAF KS
STATION NAME

56-71,75-76
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS, LST

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	52.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	54.6	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	54.6	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	54.6	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	59.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 12000	59.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	63.3	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	63.5	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 8000	65.6	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 7000	66.6	70.4	70.7	70.8	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000	67.7	71.6	71.8	71.9	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 5000	69.6	73.9	74.2	74.3	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7
≥ 4500	70.3	74.5	74.8	74.9	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4
≥ 4000	74.3	79.3	80.1	80.3	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7
≥ 3500	75.5	81.0	81.3	81.5	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0
≥ 3000	78.7	85.9	86.5	86.9	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.7	87.7	87.7
≥ 2500	79.7	87.8	88.4	88.9	89.2	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.7	89.7	89.7
≥ 2000	81.3	90.0	90.5	91.7	92.1	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.6	92.6	92.6
≥ 1800	81.7	90.7	91.6	92.4	92.8	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.4	93.4	93.4
≥ 1500	82.3	92.0	93.0	94.0	94.6	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.3	95.3	95.3
≥ 1200	82.7	92.9	94.0	95.1	95.8	96.0	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.7	96.7	96.7
≥ 1000	83.3	93.2	94.5	95.7	96.6	96.9	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8
≥ 900	83.3	93.2	94.6	95.8	96.9	97.2	97.6	97.5	97.8	98.1	98.1	98.1	98.1	98.3	98.3	98.3
≥ 800	83.7	93.4	94.8	96.0	97.2	97.5	97.8	98.2	98.2	98.5	98.5	98.5	98.5	98.7	98.7	98.7
≥ 700	83.8	93.4	94.8	96.2	97.5	97.8	98.1	98.5	98.5	99.0	99.0	99.0	99.0	99.2	99.2	99.2
≥ 600	83.3	93.4	94.4	96.3	97.8	98.3	98.5	99.0	99.0	99.5	99.5	99.5	99.5	99.7	99.7	99.7
≥ 500	83.0	93.4	94.9	96.3	97.8	98.1	98.6	99.1	99.1	99.6	99.6	99.6	99.6	99.8	99.8	99.8
≥ 400	83.0	93.4	94.9	96.3	97.8	98.1	98.6	99.3	99.3	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 300	83.0	93.4	94.9	96.3	97.8	98.1	98.6	99.3	99.3	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 200	83.3	93.4	94.9	96.3	97.8	98.1	98.6	99.3	99.3	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	83.3	93.4	94.9	96.3	97.8	98.1	98.6	99.3	99.3	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	83.3	93.4	94.9	96.3	97.8	98.1	98.6	99.3	99.3	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
MET WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

10-47
STATION

MARSHALL AFB MS

STATION NAME

66-71,75-79

YEARS

1966-1969

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	65.1	56.8	56.4	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	62.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 18000	62.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 16000	62.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 14000	63.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 12000	63.7	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000	65.0	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 9000	66.2	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	68.5	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 7000	69.8	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 6000	70.5	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 5000	72.1	75.6	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4500	73.4	77.9	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000	77.2	83.4	83.3	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3500	79.1	85.2	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000	81.5	89.4	90.0	90.4	90.5	90.5	90.6	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8
IV 2500	83.3	90.7	91.5	91.7	91.8	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1
IV 2000	84.1	92.1	92.8	93.2	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0
IV 1800	84.6	92.0	93.7	94.2	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1
IV 1500	85.2	94.0	94.3	95.4	96.5	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
IV 1200	85.7	94.9	95.9	96.5	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9
IV 1000	85.7	94.9	95.9	96.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 900	85.7	94.9	95.9	96.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 800	85.7	94.9	95.9	96.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 700	85.8	95.1	96.2	97.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 600	85.8	95.1	96.2	97.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 500	85.8	95.1	96.2	97.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 400	85.8	95.1	96.2	97.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 300	85.8	95.1	96.2	97.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 200	85.8	95.1	96.2	97.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 100	85.8	95.1	96.2	97.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 0	85.8	95.1	96.2	97.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 1021

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

1047
STATION

WHEEL AAF KS

STATION NAME

68-71, 75-79

YEARS

447

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1968-70
MOON

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	54.5	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 16000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 14000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 8000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 7000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 6000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 5000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 4500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 4000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 3500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 3000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 2500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 2000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 1800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 1500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 1200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 1000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 900	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 700	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 600	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 400	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 300	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 100	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5

TOTAL NUMBER OF OBSERVATIONS 1019

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A082 420

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/2
MARSHALL AAF, MANHATTAN, KANSAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 80

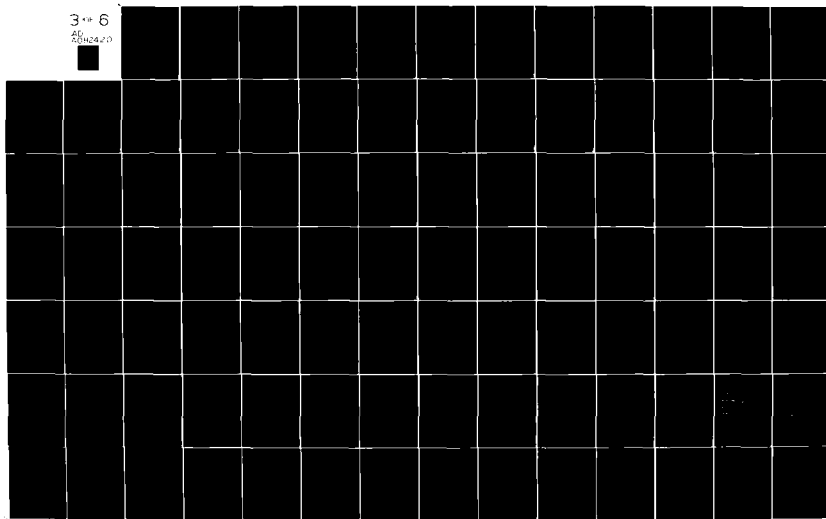
UNCLASSIFIED

USAFETAC/DS-80/020

NL

31-6

55-02420



DATA PROCESSING BRANCH
WAFB 0140
MET WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF KS

STATION NAME

66-71, 75-79

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

118-2101
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	66.4	66.3	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 20000	66.2	70.9	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 18000	66.2	70.9	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 16000	66.2	70.9	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 14000	66.2	70.9	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 12000	66.5	71.5	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 10000	69.5	74.8	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 9000	69.6	74.9	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	72.5	78.5	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 7000	73.7	79.7	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 6000	74.5	80.7	81.2	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	76.3	82.8	83.4	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	76.5	83.4	84.2	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000	79.1	87.5	88.4	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	79.2	87.7	88.6	88.9	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3000	80.6	90.1	91.1	91.4	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500	81.1	90.8	91.9	92.2	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	81.8	92.0	93.0	93.3	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	82.2	92.5	93.5	93.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1500	82.3	92.6	93.9	94.2	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	82.5	93.2	94.4	95.3	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	82.8	94.2	95.7	96.8	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	82.9	94.4	96.3	97.1	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	83.1	94.5	96.4	97.5	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	83.1	95.0	96.6	97.6	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	83.3	95.3	96.9	98.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	83.3	95.4	97.1	98.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	83.3	95.4	97.1	98.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	83.3	95.4	97.1	98.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	83.3	95.4	97.1	98.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	83.3	95.4	97.1	98.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	83.3	95.4	97.1	98.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1020

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	53.6	57.4	58.1	58.4	59.7	58.7	58.8	58.9	58.9	58.9	59.1	59.0	59.0	59.0	59.1	59.1
≥ 20000	59.2	63.6	64.5	64.8	65.1	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5
≥ 18000	59.2	63.6	64.5	64.8	65.1	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5
≥ 16000	59.2	63.6	64.5	64.8	65.1	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5
≥ 14000	59.4	63.9	64.7	65.0	65.4	65.4	65.5	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8
≥ 12000	59.5	64.4	65.3	65.5	65.9	66.1	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.3	66.3	66.3
≥ 10000	62.5	67.5	68.5	68.8	69.1	69.2	69.3	69.3	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000	62.7	67.7	68.7	69.0	69.3	69.4	69.5	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000	65.6	71.3	72.4	72.7	73.1	73.2	73.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 7000	67.0	72.9	74.1	74.4	74.9	74.9	75.1	75.1	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	68.0	74.1	75.3	75.7	76.1	76.2	76.4	76.4	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6
≥ 5000	69.8	76.6	77.9	78.4	78.9	79.0	79.1	79.2	79.2	79.3	79.4	79.4	79.4	79.5	79.5	79.5
≥ 4500	70.4	77.2	78.5	79.0	79.6	79.7	79.8	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4000	72.9	81.1	82.7	83.3	84.0	84.1	84.2	84.3	84.3	84.4	84.5	84.5	84.5	84.5	84.6	84.6
≥ 3500	73.4	81.9	83.4	84.1	84.8	84.9	85.1	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.5	85.5
≥ 3000	75.2	84.6	86.4	87.1	87.9	88.0	88.2	88.3	88.3	88.5	88.5	88.5	88.6	88.6	88.6	88.6
≥ 2500	75.9	85.7	87.6	88.4	89.3	89.4	89.6	89.7	89.7	89.8	89.9	89.9	90.0	90.0	90.0	90.0
≥ 2000	77.3	87.2	89.3	90.2	91.3	91.4	91.6	91.7	91.7	91.8	91.9	91.9	91.9	92.0	92.0	92.0
≥ 1800	77.2	87.8	89.9	90.8	92.0	92.1	92.3	92.4	92.4	92.5	92.6	92.6	92.7	92.7	92.7	92.7
≥ 1500	77.7	88.6	90.9	91.9	93.2	93.3	93.6	93.7	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0
≥ 1200	78.2	89.6	92.0	93.1	94.5	94.7	95.0	95.1	95.1	95.2	95.3	95.3	95.4	95.4	95.4	95.4
≥ 1000	78.5	90.2	92.6	94.0	95.5	95.7	96.0	96.2	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.5
≥ 900	78.5	90.4	93.0	94.4	96.1	96.2	96.6	96.7	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1
≥ 800	78.6	90.7	93.3	94.8	96.6	96.8	97.2	97.3	97.4	97.6	97.6	97.7	97.7	97.7	97.9	97.9
≥ 700	78.7	90.9	93.6	95.2	97.0	97.2	97.6	97.8	97.9	98.2	98.2	98.3	98.3	98.3	98.4	98.4
≥ 600	78.7	91.0	93.8	95.5	97.5	97.8	98.3	98.5	98.5	98.6	98.9	98.9	99.0	99.0	99.7	99.8
≥ 500	78.7	91.1	93.9	95.7	97.7	98.1	98.6	98.8	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4
≥ 400	78.7	91.1	94.0	95.8	97.9	98.2	98.8	99.1	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.7
≥ 300	78.7	91.1	94.0	95.8	97.9	98.2	98.8	99.1	99.1	99.5	99.6	99.6	99.7	99.7	99.8	99.8
≥ 200	78.7	91.1	94.0	95.8	97.9	98.2	98.8	99.1	99.1	99.5	99.6	99.7	99.8	99.8	99.9	99.9
≥ 100	78.7	91.1	94.0	95.8	97.9	98.2	98.8	99.1	99.1	99.5	99.6	99.7	99.8	99.8	99.9	99.9
≥ 0	78.7	91.1	94.0	95.8	97.9	98.2	98.8	99.1	99.1	99.5	99.6	99.7	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 3166

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17947
STATION

MARSHALL AAF KS

STATION NAME

56-71,75-79

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	63.5	67.4	68.0	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	69.7	73.5	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
IV 18000	69.7	73.5	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
IV 16000	69.7	73.5	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
IV 14000	69.7	73.5	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
IV 12000	69.9	73.7	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8
IV 10000	72.6	76.8	77.4	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9
IV 9000	72.6	76.8	77.4	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9
IV 8000	75.6	79.9	80.5	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3
IV 7000	76.3	80.7	81.4	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
IV 6000	77.8	82.4	83.2	83.4	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
IV 5000	79.3	85.1	86.1	86.4	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2
IV 4500	79.9	85.7	86.8	87.1	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9
IV 4000	82.9	88.1	91.5	91.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
IV 3500	83.0	91.0	92.4	92.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
IV 3000	84.3	92.3	93.7	94.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3
IV 2500	84.5	92.6	94.0	94.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6
IV 2000	84.7	93.2	94.7	95.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
IV 1800	84.9	93.6	95.2	95.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8
IV 1500	85.2	94.1	95.7	96.0	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
IV 1200	85.5	94.7	96.4	96.7	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
IV 1000	85.7	94.9	96.6	96.9	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
IV 900	85.9	95.2	96.8	97.1	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6
IV 800	86.0	95.4	97.0	97.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
IV 700	86.0	95.4	97.0	97.4	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
IV 600	86.0	95.5	97.3	97.6	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
IV 500	86.0	95.5	97.3	97.8	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
IV 400	86.0	95.5	97.3	97.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 300	86.0	95.5	97.3	97.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 200	86.0	95.5	97.3	97.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 100	86.0	95.5	97.3	97.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 0	86.0	95.5	97.3	97.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 997

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13447
STATION

MARSHALL AAF MS
STATION NAME

56-71.75-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-0500
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	68.4	63.0	64.6	64.9	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
≥ 20000	63.3	65.3	70.1	70.4	71.4	71.4	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.6	71.8	71.8
≥ 18000	63.0	65.2	70.1	70.4	71.4	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8
≥ 16000	63.0	65.3	70.1	70.4	71.4	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8
≥ 14000	63.1	65.4	70.2	70.5	71.5	71.5	71.7	71.6	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
≥ 12000	63.3	65.6	70.5	70.8	71.8	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2
≥ 10000	66.6	72.2	74.1	74.4	75.5	75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9
≥ 9000	66.7	72.3	74.2	74.5	75.6	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0
≥ 8000	69.5	76.5	78.5	78.8	79.8	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3
≥ 7000	70.2	77.3	79.3	79.6	80.6	80.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1
≥ 6000	72.0	79.7	81.7	82.0	83.0	83.0	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5
≥ 5000	74.3	82.3	84.6	85.1	86.3	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8
≥ 4500	74.7	82.7	85.1	85.5	86.7	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2
≥ 4000	77.9	87.2	89.5	89.9	91.3	91.3	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9
≥ 3500	78.5	88.5	90.8	90.7	92.1	92.1	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7
≥ 3000	79.1	88.9	91.5	91.5	93.4	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0
≥ 2500	79.1	89.2	92.0	92.4	93.9	93.9	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6
≥ 2000	79.5	90.2	92.9	93.3	94.8	94.8	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6
≥ 1800	79.7	90.2	93.1	93.5	95.1	95.1	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8
≥ 1500	80.1	90.6	93.5	93.9	95.5	95.5	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2
≥ 1200	80.7	91.6	94.6	95.3	96.8	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5
≥ 1000	80.8	91.8	94.8	95.6	97.2	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
≥ 900	80.8	91.9	95.1	95.8	97.4	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1
≥ 800	80.8	92.0	95.2	95.9	97.5	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
≥ 700	80.9	92.2	95.4	96.2	97.8	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5
≥ 600	80.9	92.3	95.5	96.3	98.1	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 500	80.9	92.3	95.5	96.3	98.2	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 400	80.9	92.3	95.5	96.3	98.2	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 300	80.9	92.3	95.5	96.3	98.2	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 200	80.9	92.3	95.5	96.3	98.2	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 100	80.9	92.3	95.5	96.3	98.2	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 0	80.9	92.3	95.5	96.3	98.2	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 990

DATA PROCESSING BRANCH
USAF ETAC
FOR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13047
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1672-2000
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.3	≥.16	≥.1	≥0
NO CEILING	57.6	58.3	59.4	60.0	60.6	62.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.2	61.2	61.3
≥ 20000	55.7	54.2	65.0	66.6	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.8	67.8	67.9
IN 18000	55.7	64.2	66.0	66.6	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.8	67.8	67.9
IN 16000	55.7	64.2	66.0	66.6	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.8	67.8	67.9
IN 14000	55.7	64.2	66.0	66.6	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.8	67.8	67.9
IN 12000	56.9	65.5	67.2	67.8	68.4	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.0	69.0	69.1
IN 10000	51.2	70.2	72.0	72.6	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.1
IN 9000	51.6	70.8	72.6	73.3	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.6	74.6	74.7
IN 8000	64.7	75.3	77.1	77.7	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.0	79.1
IN 7000	55.7	76.3	78.1	78.7	79.4	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.1
IN 6000	66.7	77.7	79.5	80.2	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.7	81.7	81.8
IN 5000	69.3	81.4	83.3	83.9	84.8	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5	85.5	85.6
IN 4500	69.4	81.6	83.5	84.1	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.7	85.7	85.8
IN 4000	71.5	84.5	86.5	87.1	88.2	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0	89.1
IN 3500	72.2	85.6	87.7	88.3	89.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3	90.4
IN 3000	73.3	87.2	89.3	89.9	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.8	91.8	91.9
IN 2500	73.7	88.1	90.4	91.2	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.1	93.1	93.2
IN 2000	74.1	88.7	90.9	91.7	93.0	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.8	93.8	93.9
IN 1800	74.2	89.1	91.4	92.2	93.5	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.3	94.3	94.4
IN 1500	74.7	89.8	92.1	92.9	94.2	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.1	95.1	95.2
IN 1200	75.5	90.8	93.1	93.9	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.1	96.1	96.3
IN 1000	76.1	91.6	93.9	94.7	96.1	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.3	97.3	97.4
IN 900	76.4	92.3	94.3	95.1	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7	97.7	97.8
IN 800	76.4	92.2	94.5	95.3	96.8	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.9	97.9	98.0
IN 700	76.6	92.4	94.7	95.5	97.1	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.1	98.1	98.5
IN 600	76.7	92.5	94.8	95.6	97.3	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.8
IN 500	76.7	92.5	94.8	95.6	97.3	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0
IN 400	76.7	92.5	94.8	95.6	97.3	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0
IN 300	76.7	92.5	94.8	95.6	97.3	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0
IN 200	76.7	92.5	94.8	95.6	97.3	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0
IN 100	76.7	92.5	94.8	95.6	97.3	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0
IN 0	76.7	92.5	94.8	95.6	97.3	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0

TOTAL NUMBER OF OBSERVATIONS 957

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

19547
STATION

MARSHALL AFB KS

STATION NAME

66-71,75-79

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	57.2	61.8	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	54.3	69.3	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 18000	54.0	69.3	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 16000	54.7	69.3	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 14000	54.2	69.5	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 12000	55.1	70.4	70.7	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 10000	69.1	74.9	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	69.8	75.6	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	73.1	80.2	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 7000	73.8	81.2	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 6000	75.7	83.3	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	77.3	85.4	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4500	77.0	85.6	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	78.2	87.8	88.2	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3500	79.2	88.2	88.6	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000	80.3	90.6	91.2	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500	91.1	91.5	92.2	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	91.5	92.6	93.5	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	92.4	93.4	94.1	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500	93.3	94.4	95.1	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	94.1	95.5	96.4	96.9	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	94.3	95.9	97.1	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	94.3	95.9	97.3	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	94.6	96.2	97.5	98.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	94.6	96.2	97.6	98.4	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	94.6	96.2	97.6	98.4	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	94.6	96.2	97.6	98.4	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	94.6	96.2	97.6	98.4	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	94.6	96.2	97.6	98.4	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	94.6	96.2	97.6	98.4	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	94.6	96.2	97.6	98.4	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	94.6	96.2	97.6	98.4	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 986

DATA PROCESSING BRANCH
USAF ETAC
414 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-47
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥.	≥0
NO CEILING	59.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 20000	56.7	69.7	70.2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	67.1	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	67.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 14000	67.5	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 12000	68.4	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 10000	73.3	75.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 9000	73.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 8000	75.1	78.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	76.0	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 6000	77.1	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000	78.6	82.6	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4500	78.9	82.9	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4000	81.3	85.9	86.4	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500	81.7	86.7	87.2	87.3	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000	84.7	91.5	92.6	92.7	92.9	93.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2500	85.7	92.7	93.7	93.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	87.1	94.1	95.4	95.6	95.9	96.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	87.1	94.1	95.6	96.0	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1500	87.3	94.7	96.6	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	87.4	95.5	97.3	97.6	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	87.9	96.3	98.1	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	88.3	96.1	98.2	98.5	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	88.3	96.3	98.4	98.7	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	88.2	96.3	98.5	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	88.2	96.3	98.5	98.8	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	88.2	96.3	98.5	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	88.2	96.3	98.5	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	88.2	96.3	98.5	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	88.2	96.3	98.5	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	88.2	96.3	98.5	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	88.2	96.3	98.5	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 228

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF MS

STATION NAME

56-71,75-79

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	65.6	67.7	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 20000	69.8	72.4	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 18000	70.1	72.7	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 16000	70.3	72.9	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 14000	70.4	73.0	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 12000	71.1	73.5	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 10000	73.6	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 9000	73.9	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 8000	75.2	78.4	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 7000	76.3	79.4	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 6000	77.4	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 5000	79.5	83.7	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 4500	79.6	83.8	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	83.8	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 3500	84.5	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 3000	86.5	92.3	93.4	93.6	93.8	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2500	87.3	93.2	94.4	94.7	94.9	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 2000	88.3	94.5	95.7	96.0	96.3	96.6	97.0	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1800	88.4	94.6	95.8	96.1	96.5	96.8	97.2	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1500	88.9	95.1	96.5	96.9	97.3	97.6	98.0	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	88.9	95.6	97.0	97.5	98.0	98.3	98.7	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	88.9	95.7	97.1	97.6	98.1	98.4	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	88.9	95.7	97.1	97.6	98.1	98.4	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	88.9	95.7	97.1	97.6	98.1	98.4	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	88.9	95.7	97.3	97.8	98.4	98.7	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	89.0	95.8	97.4	97.9	98.5	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	89.0	95.8	97.4	97.9	98.5	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	89.0	95.8	97.4	97.9	98.5	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	89.0	95.8	97.4	97.9	98.5	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	89.0	95.8	97.4	97.9	98.5	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	89.0	95.8	97.4	97.9	98.5	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	89.0	95.8	97.4	97.9	98.5	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 987

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAG

CEILING VERSUS VISIBILITY

13447
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1967-2000
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	66.3	69.8	70.0	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 20000	73.1	77.1	77.3	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 18000	73.3	77.3	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 16000	73.3	77.3	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 14000	73.3	77.3	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 12000	73.3	77.3	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 10000	76.2	80.9	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 9000	76.4	81.1	81.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 8000	78.8	84.2	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 7000	79.5	85.1	85.3	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 6000	80.3	86.2	86.4	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 5000	81.8	88.4	88.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4500	82.4	89.1	89.4	89.8	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 4000	85.7	92.3	92.6	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.6	93.6	93.6
IV 3500	85.7	92.9	93.2	93.7	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.3	94.3	94.3
IV 3000	87.0	94.6	95.0	95.5	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2
IV 2500	87.4	95.0	95.4	95.9	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6
IV 2000	87.9	95.6	96.1	96.7	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7
IV 1800	88.2	95.9	96.4	97.1	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0
IV 1500	88.2	96.0	96.5	97.6	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
IV 1200	88.2	96.1	96.7	97.8	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
IV 1000	88.3	96.6	97.3	98.3	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
IV 900	88.5	97.0	97.6	98.6	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 800	88.5	97.1	97.6	98.6	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 700	88.6	97.1	97.7	98.7	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 600	88.6	97.1	97.8	98.8	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 500	88.6	97.1	97.8	98.8	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 400	88.6	97.1	97.8	98.8	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 300	88.6	97.1	97.8	98.8	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	88.6	97.1	97.8	98.8	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	88.6	97.1	97.8	98.8	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	88.6	97.1	97.8	98.8	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 284



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AFB MS
STATION NAME

66-71, 75-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.1	≥ 0	≥ 0
NO CEILING	65.3	69.5	69.5	70.0	71.3	70.3	71.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 20000	70.6	75.8	75.8	76.3	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 18000	70.6	75.8	75.8	76.3	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 16000	70.6	75.8	75.8	76.3	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 14000	70.6	76.1	76.1	76.6	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 12000	71.1	76.5	76.5	77.0	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 10000	73.2	79.0	79.0	79.5	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 9000	73.3	79.1	79.1	79.6	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 8000	75.5	81.6	81.6	82.2	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 7000	76.5	82.7	82.7	83.2	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 6000	77.5	83.9	83.9	84.4	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 5000	79.4	86.2	86.2	86.7	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4500	79.9	86.8	86.8	87.4	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 4000	84.6	92.2	92.2	93.4	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 3500	85.0	92.6	93.1	93.5	94.4	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 3000	86.1	94.1	94.8	95.5	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2500	86.2	94.3	95.2	95.9	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2000	86.6	95.3	96.2	97.0	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1800	86.8	95.5	96.5	97.2	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500	86.9	95.9	96.9	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	87.3	96.3	97.3	98.1	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	87.3	96.6	97.6	98.5	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	87.4	96.8	97.8	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	87.4	96.8	97.8	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	87.4	96.8	97.8	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	87.4	96.8	97.8	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	87.4	96.8	97.8	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	87.4	96.8	97.8	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	87.4	96.8	97.8	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	87.4	96.8	97.8	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	87.4	96.8	97.8	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	87.4	96.8	97.8	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 986

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
 USAF ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AFB MS
STATION NAME

66-71,75-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	66.8	65.0	65.0	65.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
≥ 20000	66.8	71.3	71.9	72.2	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7
≥ 18000	66.7	71.4	72.1	72.3	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8
≥ 16000	66.7	71.4	72.1	72.4	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 14000	66.7	71.6	72.2	72.5	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0
≥ 12000	67.5	73.2	72.9	73.2	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000	70.7	75.8	75.5	76.5	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3
≥ 9000	71.0	76.1	76.3	77.1	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6
≥ 8000	73.4	79.3	80.0	80.3	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9
≥ 7000	74.2	80.2	81.0	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8
≥ 6000	75.6	81.5	82.6	82.9	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5
≥ 5000	77.4	84.4	85.2	85.6	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3
≥ 4500	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 4000	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 3500	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 3000	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 2500	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 2000	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 1800	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 1500	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 1200	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 1000	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 900	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 800	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 700	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 600	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 500	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 400	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 300	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 200	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 100	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 0	77.7	84.8	85.6	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7

TOTAL NUMBER OF OBSERVATIONS 7500

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AFB MS
STATION NAME

56-70, 74-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2000-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	73.5	73.8	74.4	74.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 20000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 18000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 16000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 14000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 12000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 10000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 9000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 8000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 7000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 6000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 5000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4500	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3500	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2500	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 1800	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 1500	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 1200	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 1000	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 900	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 800	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 700	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 600	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 500	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 400	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 300	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 200	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 100	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 0	77.2	77.7	77.7	77.8	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3

TOTAL NUMBER OF OBSERVATIONS 1015

DATA PROCESSING BRANCH
USAF ETAC
AFM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AFB MS
STATION NAME

65-70, 74-70
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

31.0-74.0
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	72.1	66.7	64.7	64.3	71.6	72.0	71.2	71.3	71.7	71.5	71.5	71.5	71.5	71.7	71.7	71.7
≥ 20000	75.1	70.2	72.2	72.3	74.2	74.2	74.8	74.9	74.6	75.0	75.0	75.0	75.0	75.2	75.2	75.2
≥ 18000	65.1	71.2	72.2	72.3	74.2	74.2	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.2	75.2	75.2
≥ 16000	65.1	71.2	72.2	72.3	74.2	74.2	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.2	75.2	75.2
≥ 14000	65.1	71.2	72.2	72.3	74.2	74.2	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.2	75.2	75.2
≥ 12000	65.5	71.7	72.4	72.4	74.6	74.6	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.3	75.3	75.3
≥ 10000	68.7	74.4	76.5	77.1	75.7	73.7	79.3	75.4	79.4	75.5	75.5	75.5	75.5	79.7	79.7	79.7
≥ 9000	68.5	74.6	76.7	77.3	74.9	73.9	79.5	75.5	79.5	79.7	79.7	79.7	79.7	79.9	79.9	79.9
≥ 8000	73.1	79.9	82.1	82.7	84.3	84.3	84.9	85.0	85.0	85.2	85.2	85.2	85.2	85.4	85.4	85.4
≥ 7000	74.7	81.7	83.9	84.5	86.2	86.2	86.9	87.0	87.0	87.2	87.2	87.2	87.2	87.4	87.4	87.4
≥ 6000	75.7	82.9	85.1	85.7	87.4	87.5	88.1	88.2	88.2	88.4	88.4	88.4	88.4	88.6	88.6	88.6
≥ 5000	78.4	85.4	87.6	88.4	91.0	90.1	90.7	90.3	90.3	91.0	91.0	91.0	91.0	91.2	91.2	91.2
≥ 4500	78.1	85.5	87.7	88.5	91.1	90.2	90.8	90.9	90.9	91.1	91.1	91.1	91.1	91.3	91.3	91.3
≥ 4000	78.1	85.5	87.7	88.5	91.1	90.2	90.8	90.9	90.9	91.1	91.1	91.1	91.1	91.3	91.3	91.3
≥ 3500	80.5	89.8	92.4	93.2	94.9	95.4	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.5	96.5	96.5
≥ 3000	81.3	90.6	93.3	94.1	96.0	96.5	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.7	97.7	97.7
≥ 2500	81.3	90.6	93.3	94.1	96.0	96.5	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.7	97.7	97.7
≥ 2000	81.7	91.5	94.0	94.9	96.8	97.3	97.9	98.0	98.0	98.2	98.2	98.2	98.2	98.4	98.4	98.4
≥ 1800	81.7	91.5	94.1	95.0	96.9	97.4	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.5	98.5	98.5
≥ 1500	81.7	91.5	94.1	95.0	96.9	97.4	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.5	98.5	98.5
≥ 1200	81.7	91.5	94.5	95.4	97.3	97.7	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.9	98.9	98.9
≥ 1000	81.9	91.9	94.7	95.6	97.6	98.0	98.7	98.8	98.8	99.1	99.1	99.1	99.1	99.3	99.3	99.3
≥ 900	81.9	92.1	94.8	95.7	97.7	98.1	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.4	99.4	99.4
≥ 800	81.9	92.1	94.8	95.7	97.7	98.1	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.4	99.4	99.4
≥ 700	81.9	92.1	94.8	95.8	97.7	98.2	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.5	99.5	99.5
≥ 600	81.9	92.1	95.0	95.9	97.8	98.3	99.1	99.2	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.7
≥ 500	81.9	92.1	95.0	95.9	98.0	98.5	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	81.9	92.1	95.0	95.9	98.0	98.5	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	81.9	92.1	95.0	95.9	98.0	98.5	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200	81.9	92.1	95.0	95.9	98.0	98.5	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100	81.9	92.1	95.0	95.9	98.0	98.5	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0	81.9	92.1	95.0	95.9	98.0	98.5	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1022

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
14-47

STATION NAME
MARSHALL AFB KS

YEARS
65-70, 74-79

MONTH
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS
000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	54.5	61.4	62.5	63.6	64.4	64.7	65.2	65.4	66.4	66.5	66.6	66.6	66.7	66.7	66.7	66.7
≥ 20000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 18000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 16000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 14000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 12000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 10000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 9000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 8000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 7000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 6000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 5000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 4500	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 4000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 3500	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 3000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 2500	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 2000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 1800	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 1500	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 1200	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 1000	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 900	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 800	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 700	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 600	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 500	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 400	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 300	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 200	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 100	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4
IV 0	59.1	66.6	67.9	69.0	70.1	70.4	71.9	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.4

TOTAL NUMBER OF OBSERVATIONS 1021

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-47
STATION

MARSHALL AAF KS

STATION NAME

65-70, 74-79

YEARS

JUL

1940-1940
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0.1	≥0
NO CEILING	63.5	69.1	69.8	70.0	70.5	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 20000	68.0	74.0	74.8	75.0	75.5	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 18000	65.0	74.0	74.8	75.0	75.5	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 16000	68.1	74.1	74.9	75.1	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 14000	68.7	74.7	75.5	75.7	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 12000	69.6	76.1	76.8	77.0	77.5	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 10000	73.2	79.8	80.5	80.7	81.2	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 9000	73.6	80.2	80.9	81.1	81.5	81.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 8000	76.4	84.0	84.8	85.0	85.5	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 7000	74.3	85.6	86.5	86.7	87.2	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 6000	78.7	86.5	87.4	87.6	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 5000	79.6	87.8	88.8	89.0	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 4500	79.6	87.9	88.9	89.1	89.5	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 4000	80.7	89.5	90.7	90.9	91.6	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 3500	81.0	90.0	91.2	91.4	92.1	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 3000	82.3	91.5	92.7	92.9	93.5	93.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2500	82.5	91.8	93.0	93.2	93.8	93.9	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2000	83.0	92.5	93.6	93.9	94.6	94.7	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	83.0	92.9	94.0	94.3	95.1	95.2	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	83.3	93.2	94.5	94.8	95.6	95.8	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	83.7	93.7	95.3	95.7	96.6	96.8	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	83.9	94.1	95.9	96.3	97.3	97.5	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	84.0	94.4	96.2	96.6	97.7	97.8	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	84.0	94.4	96.4	97.0	98.0	98.2	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	84.0	94.4	96.4	97.0	98.2	98.4	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	84.1	94.5	96.7	97.3	98.5	98.7	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	84.1	94.5	96.8	97.4	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	84.1	94.5	96.8	97.4	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	84.1	94.5	96.8	97.4	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	84.1	94.5	96.8	97.4	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	84.1	94.5	96.8	97.4	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	84.1	94.5	96.8	97.4	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1023

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17047
STATION

MARSHALL AAF KS
STATION NAME

66-70,74-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	65.9	69.5	69.5	70.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 20000	71.8	76.4	76.4	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000	71.8	76.4	76.8	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000	71.8	76.4	76.8	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	72.2	76.9	77.3	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 12000	72.1	76.3	78.4	76.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 10000	76.2	81.6	81.9	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 9000	76.4	81.8	82.2	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 8000	79.7	85.6	86.1	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 7000	80.2	86.1	86.6	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	80.7	86.8	87.2	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 5000	82.3	88.6	89.1	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4500	82.5	88.8	89.3	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4000	84.7	91.6	92.1	92.2	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3500	85.4	92.5	93.0	93.2	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3000	85.9	93.7	94.2	94.4	95.1	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2500	86.1	94.2	94.7	94.9	95.6	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2000	86.9	95.2	95.7	95.9	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	87.1	95.7	96.2	96.6	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	87.7	96.4	97.0	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	87.8	96.7	97.4	98.0	98.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	87.8	96.7	97.6	98.3	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	87.8	96.8	97.7	98.5	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	87.8	96.8	97.7	98.5	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	87.9	96.9	97.8	98.6	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	87.9	96.9	97.8	98.6	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	87.9	96.9	97.8	98.6	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	87.9	96.9	97.8	98.6	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	87.9	96.9	97.8	98.6	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	87.9	96.9	97.8	98.6	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	87.9	96.9	97.8	98.6	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	87.9	96.9	97.8	98.6	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1019

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10047
STATION

MARSHALL AAF KS
STATION NAME

66-70,74-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥1/16	≥.	≥0
NO CEILING	67.5	73.4	73.7	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 20000	73.9	77.1	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 18000	73.9	77.1	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 16000	73.9	77.1	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 14000	74.5	77.6	77.9	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 12000	74.8	78.3	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 10000	77.4	81.2	81.9	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 9000	77.5	81.3	82.0	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 8000	80.0	84.6	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 7000	81.8	85.9	86.7	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	83.3	87.2	87.9	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 5000	84.3	88.5	89.3	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4500	84.9	89.1	89.9	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4000	85.5	89.5	90.3	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	89.2	94.2	95.0	95.1	95.8	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000	90.1	95.5	96.4	96.6	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2500	90.8	96.6	97.5	97.7	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	91.2	97.2	98.0	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 1020

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13447
STATION

MARSHALL AFB MS
STATION NAME

66-70, 74-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS IST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.75	≥1.5	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	72.2	72.2	72.2	72.2	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 20000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 18000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 12000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 10000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 9000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 8000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 7000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 6000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 5000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4500	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1800	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1500	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1200	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 900	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 600	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 500	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 400	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 300	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 200	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 100	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8

TOTAL NUMBER OF OBSERVATIONS 1021

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF KS

STATION NAME

60-70, 74-79

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	74.7	77.6	78.1	78.4	78.7	78.7	78.8	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0
≥ 20000	78.3	81.2	81.7	82.0	82.4	82.4	82.5	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7
≥ 18000	78.3	81.2	81.7	82.0	82.4	82.4	82.5	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7
≥ 16000	78.3	81.2	81.7	82.0	82.4	82.4	82.5	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7
≥ 14000	78.3	81.2	81.7	82.0	82.4	82.4	82.5	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7
≥ 12000	78.6	81.8	82.4	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5
≥ 10000	82.2	85.0	86.2	86.7	87.1	87.1	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4
≥ 9000	82.3	85.7	86.3	86.8	87.2	87.2	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5
≥ 8000	85.0	88.7	89.3	89.8	90.2	90.2	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5
≥ 7000	86.0	89.9	90.5	91.0	91.4	91.4	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7
≥ 6000	87.4	91.3	91.9	92.4	92.8	92.8	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 5000	88.9	92.9	93.4	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6
≥ 4500	88.9	92.9	93.4	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6
≥ 4000	89.7	93.3	93.8	94.3	94.7	94.7	94.8	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3500	91.3	95.6	96.2	96.7	97.1	97.1	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	91.3	97.0	97.6	98.1	98.5	98.5	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2500	92.2	97.5	98.2	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2000	92.4	97.6	98.4	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	92.4	97.6	98.4	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	92.4	97.6	98.4	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	92.4	97.6	98.4	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	92.4	97.6	98.6	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	92.4	97.6	98.6	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	92.4	97.6	98.6	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	92.4	97.6	98.6	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	92.4	97.6	98.6	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	92.4	97.6	98.7	99.2	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.4	97.6	98.7	99.2	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.4	97.6	98.7	99.2	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.4	97.6	98.7	99.2	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.4	97.6	98.7	99.2	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.4	97.6	98.7	99.2	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1521

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17447
STATION

MARSHALL AAF AS

STATION NAME

56-70,74-79

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	65.8	70.1	70.5	71.1	71.8	71.8	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 20000	70.4	75.1	75.9	76.2	77.0	77.0	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 18000	70.4	75.1	75.9	76.2	77.0	77.0	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 16000	70.4	75.1	75.9	76.3	77.0	77.0	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 14000	70.6	75.4	76.2	76.5	77.2	77.3	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
IV 12000	71.3	76.3	77.1	77.5	78.2	78.3	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8
IV 10000	74.7	80.0	80.9	81.3	82.0	82.1	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 9000	74.9	80.2	81.2	81.5	82.3	82.4	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 8000	74.2	84.1	85.1	85.5	86.3	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 7000	79.6	85.7	86.7	87.1	87.9	88.0	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 6000	80.6	86.7	87.7	88.2	89.0	89.1	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6
IV 5000	82.1	88.5	89.5	90.0	90.9	91.0	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 4500	82.3	88.8	89.8	90.3	91.2	91.3	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 4000	84.5	91.6	92.3	92.3	94.2	94.4	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 3500	84.9	92.3	93.4	93.9	94.9	95.0	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
IV 3000	85.7	93.4	94.6	95.2	96.2	96.3	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 2500	85.9	93.8	94.9	95.5	96.5	96.6	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 2000	86.2	94.3	95.5	96.1	97.1	97.3	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1800	86.3	94.5	95.7	96.4	97.4	97.5	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 1500	86.4	94.7	95.9	96.5	97.6	97.7	98.2	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 1200	86.5	94.9	96.3	96.9	98.0	98.2	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	86.6	95.0	96.6	97.3	98.4	98.5	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	86.6	95.1	96.7	97.4	98.5	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	86.6	95.1	96.7	97.5	98.6	98.8	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	86.6	95.1	96.8	97.6	98.7	98.9	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	86.7	95.1	96.8	97.6	98.8	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	86.7	95.1	96.9	97.7	98.8	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	86.7	95.1	96.9	97.7	98.8	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	86.7	95.1	96.9	97.7	98.8	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	86.7	95.1	96.9	97.7	98.8	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	86.7	95.1	96.9	97.7	98.8	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	86.7	95.1	96.9	97.7	98.8	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS P166

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AFWAPATHA SERVICE/MAC

CEILING VERSUS VISIBILITY

13447
STATION

MARSHALL AFB MS
STATION NAME

66-70,74-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS - LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ .025	≥ 0
NO CEILING	73.6	74.7	74.9	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 20000	71.8	77.4	78.5	78.7	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 18000	71.8	77.4	78.5	78.7	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 16000	71.8	77.4	78.5	78.7	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 14000	71.8	77.4	78.5	78.7	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 12000	71.8	77.4	78.5	78.7	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 10000	75.0	82.9	84.1	84.3	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 9000	76.5	84.0	85.2	85.4	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 8000	79.3	87.6	88.8	89.0	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 7000	81.7	89.3	90.5	90.7	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 6000	81.6	90.2	91.4	91.6	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 5000	81.9	90.7	91.9	92.1	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4500	81.9	90.7	91.4	92.3	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 4000	83.2	93.1	94.3	94.7	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	83.4	93.7	94.9	95.3	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5
≥ 3000	83.8	94.5	95.7	96.2	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4
≥ 2500	83.8	94.7	95.9	96.4	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 2000	83.8	95.0	96.2	96.6	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
≥ 1800	83.9	95.0	96.2	96.6	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
≥ 1600	83.9	95.2	96.5	97.0	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
≥ 1400	83.9	95.5	96.8	97.3	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 1200	83.9	95.5	96.9	97.4	98.3	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 1000	84.0	95.5	96.9	97.4	98.3	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 900	84.0	95.7	97.1	97.6	98.5	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 800	84.0	96.0	97.4	98.0	98.9	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 700	84.0	96.0	97.4	98.0	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 600	84.0	96.1	97.5	98.1	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 500	84.0	96.1	97.5	98.1	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	84.0	96.1	97.6	98.2	99.3	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	84.0	96.1	97.6	98.2	99.3	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	84.0	96.1	97.6	98.2	99.3	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	84.0	96.1	97.6	98.2	99.3	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	84.0	96.1	97.6	98.2	99.3	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1014

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF MS

STATION NAME

66-70, 74-79

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0750-0500
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ .2
NO CEILING ≥ 20000	59.3	66.6	67.8	68.2	68.7	68.8	69.0	69.0	69.1	69.1	69.1	69.1	69.3	69.3	69.3	69.3
≥ 18000	62.1	69.4	70.7	71.1	71.7	71.8	72.0	72.0	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3
≥ 16000	62.1	69.4	70.7	71.1	71.7	71.8	72.0	72.0	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3
≥ 14000	62.2	69.5	70.8	71.2	71.8	71.9	72.1	72.1	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.4
≥ 12000	63.1	70.4	71.7	72.1	72.7	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.3	73.3	73.3	73.3
≥ 10000	67.3	75.4	76.7	77.1	77.6	77.7	77.9	77.9	78.0	78.0	78.0	78.0	78.2	78.2	78.2	78.2
≥ 9000	67.7	76.2	77.6	78.0	78.6	78.7	78.9	78.9	79.0	79.0	79.0	79.0	79.2	79.2	79.2	79.2
≥ 8000	71.1	80.1	81.9	82.4	83.0	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.6	83.6	83.6	83.6
≥ 7000	73.1	82.1	83.9	84.4	85.0	85.1	85.3	85.3	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6
≥ 6000	74.7	84.1	85.9	86.4	86.9	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5
≥ 5000	75.7	85.7	87.6	88.1	88.9	89.0	89.2	89.2	89.3	89.3	89.3	89.3	89.5	89.5	89.5	89.5
≥ 4500	75.7	85.7	87.6	88.1	88.9	89.0	89.2	89.2	89.3	89.3	89.3	89.3	89.5	89.5	89.5	89.5
≥ 4000	74.0	89.0	91.2	92.0	92.8	92.9	93.1	93.1	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.5
≥ 3500	79.0	89.2	91.5	92.3	93.3	93.4	93.6	93.6	93.8	93.9	94.0	94.0	94.2	94.2	94.2	94.2
≥ 3000	78.0	89.8	92.4	93.2	94.3	94.4	94.6	94.6	94.8	94.9	95.0	95.0	95.2	95.2	95.2	95.2
≥ 2500	75.1	90.4	93.0	93.8	94.9	95.0	95.2	95.2	95.4	95.5	95.5	95.5	95.7	95.7	95.7	95.7
≥ 2000	73.3	90.9	93.6	94.4	95.5	95.5	95.7	95.7	95.9	96.0	96.1	96.1	96.3	96.3	96.3	96.3
≥ 1800	72.3	90.0	93.0	94.4	95.5	95.5	95.7	95.7	95.9	96.0	96.1	96.1	96.3	96.3	96.3	96.3
≥ 1500	72.3	91.1	93.6	94.7	95.7	95.9	96.1	96.1	96.3	96.4	96.5	96.5	96.7	96.7	96.7	96.7
≥ 1200	75.3	91.3	94.3	95.2	96.2	96.4	96.6	96.6	97.0	97.1	97.2	97.2	97.4	97.4	97.4	97.4
≥ 1000	78.3	91.3	94.3	95.3	96.3	96.5	96.7	96.9	97.1	97.2	97.3	97.3	97.5	97.6	97.6	97.6
≥ 900	78.3	91.3	94.3	95.3	96.3	96.5	96.7	96.9	97.1	97.2	97.3	97.3	97.5	97.6	97.6	97.6
≥ 800	78.3	91.9	95.0	95.9	97.0	97.2	97.4	97.6	97.8	97.9	98.0	98.0	98.3	98.4	98.4	98.4
≥ 700	78.3	91.9	95.0	95.9	97.0	97.2	97.5	97.7	97.9	98.0	98.1	98.1	98.4	98.5	98.5	98.5
≥ 600	78.4	92.0	95.2	96.1	97.5	97.7	98.0	98.2	98.4	98.5	98.6	98.6	98.9	99.0	99.0	99.0
≥ 500	78.4	92.0	95.2	96.1	97.6	97.8	98.1	98.3	98.5	98.6	98.6	98.6	98.8	99.1	99.2	99.2
≥ 400	78.4	92.0	95.2	96.1	97.6	98.0	98.4	98.7	98.9	99.2	99.4	99.4	99.7	99.8	99.8	99.8
≥ 300	78.4	92.0	95.2	96.1	97.6	98.0	98.4	98.7	98.9	99.2	99.4	99.4	99.7	99.8	99.8	99.8
≥ 200	78.4	92.0	95.2	96.1	97.6	98.0	98.4	98.7	98.9	99.2	99.4	99.4	99.7	99.8	99.8	99.8
≥ 100	78.4	92.0	95.2	96.1	97.6	98.0	98.4	98.7	98.9	99.2	99.4	99.4	99.7	99.8	99.8	99.8
≥ 0	78.4	92.0	95.2	96.1	97.6	98.0	98.4	98.7	98.9	99.2	99.4	99.4	99.7	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1011

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17547
STATION

MARSHALL AFB MS
STATION NAME

66-70, 74-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-0800
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	47.1	55.6	57.5	59.7	59.1	59.8	59.9	60.2	60.4	60.6	60.6	60.6	60.6	60.7	60.7	60.8
≥ 20000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 18000	50.5	59.5	61.6	62.7	63.2	63.9	64.1	64.4	64.6	64.8	64.8	64.8	64.8	64.9	65.0	65.1
≥ 16000	50.5	59.5	61.6	62.7	63.2	63.9	64.1	64.4	64.6	64.8	64.8	64.8	64.8	64.9	65.0	65.1
≥ 14000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 12000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 10000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 9000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 8000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 7000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 6000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 5000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 4500	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 4000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 3500	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 3000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 2500	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 2000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 1800	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 1500	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 1200	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 1000	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 900	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 800	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 700	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 600	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 500	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 400	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 300	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 200	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 100	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 0	50.3	59.3	61.4	62.5	63.0	63.7	63.9	64.2	64.4	64.6	64.6	64.6	64.6	64.7	64.8	64.9

TOTAL NUMBER OF OBSERVATIONS 1017

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17 47
STATION

MARSHALL AAF KS

STATION NAME

56-70,74-77

YEARS

ACF
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

900-1300
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	63.2	63.2	63.5	64.0	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 20000	63.2	63.7	69.3	69.5	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 18000	63.5	69.7	69.6	69.8	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000	63.5	69.8	69.6	69.8	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	64.1	69.6	70.2	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 12000	75.9	71.9	72.7	73.0	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 10000	60.9	75.2	77.4	77.7	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 9000	70.0	77.4	78.5	78.8	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 8000	74.3	81.1	82.2	82.6	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 7000	76.4	83.5	84.6	85.0	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 6000	87.2	84.5	85.7	86.1	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 5000	74.0	85.6	86.5	87.2	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 4500	78.0	85.5	86.8	87.2	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 4000	79.2	87.5	88.6	89.3	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 3500	79.2	87.7	88.9	89.3	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3000	79.5	88.4	89.7	90.1	91.3	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500	79.7	88.7	90.0	90.4	91.7	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	80.4	89.6	91.0	91.4	92.7	93.0	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
IV 1800	80.4	89.7	91.2	91.6	93.0	93.4	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1500	80.4	90.2	92.0	92.7	94.2	94.6	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	80.6	91.7	92.9	93.4	94.9	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	81.0	91.7	94.2	95.0	96.6	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 900	81.1	91.8	94.4	95.2	96.8	97.3	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	81.1	92.1	94.7	95.5	97.1	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	81.1	92.2	94.9	95.7	97.4	98.1	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	81.2	92.3	95.0	95.8	97.7	98.6	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	81.2	92.3	95.0	95.8	97.8	98.7	99.4	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	81.2	92.3	95.0	95.8	97.8	98.7	99.4	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	81.2	92.3	95.0	95.8	97.8	98.7	99.4	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	81.2	92.3	95.0	95.8	97.8	98.7	99.4	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	81.2	92.3	95.0	95.8	97.8	98.7	99.4	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	81.2	92.3	95.0	95.8	97.8	98.7	99.4	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1012

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF KS
STATION NAME

65-70,74-79
YEARS

4.5
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	62.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	64.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 18000	64.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 16000	64.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 14000	65.9	71.2	71.2	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 12000	71.0	74.3	74.3	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 10000	75.0	79.0	79.0	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 9000	75.8	79.9	80.0	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 8000	77.9	82.3	82.4	82.7	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 7000	79.6	84.2	84.3	84.6	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 6000	80.3	85.0	85.1	85.4	85.6	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 5000	81.2	86.2	86.5	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 4500	81.5	86.5	86.6	87.1	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 4000	84.7	90.6	90.9	91.3	91.5	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 3500	85.0	91.2	91.5	91.9	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 3000	85.7	92.9	93.2	93.6	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2500	86.0	93.7	94.0	94.4	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2000	86.8	95.1	95.5	95.9	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1800	86.8	95.3	95.7	96.1	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1500	87.2	96.2	96.4	96.9	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1200	87.5	96.6	97.2	97.7	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000	87.7	96.8	97.4	97.9	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	87.7	96.9	97.5	98.0	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	87.7	96.9	97.5	98.1	98.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	87.7	96.9	97.5	98.1	98.7	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	87.7	97.0	97.6	98.2	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	87.7	97.0	97.6	98.2	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	87.7	97.0	97.6	98.2	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	87.7	97.0	97.6	98.2	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	87.7	97.0	97.6	98.2	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	87.7	97.0	97.6	98.2	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	87.7	97.0	97.6	98.2	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1014

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AFB MS
STATION NAME

46-70,74-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	67.2	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	71.6	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 18000	71.6	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 16000	71.6	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 14000	72.3	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 12000	73.4	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000	74.8	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 9000	79.5	83.6	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 8000	81.7	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 7000	82.7	87.1	87.1	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 6000	83.3	88.4	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 5000	83.5	89.1	89.1	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4500	84.1	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000	87.2	93.2	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 3500	87.1	94.2	94.4	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3000	90.7	96.5	96.8	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2500	94.1	97.3	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2000	94.4	97.6	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	97.4	97.6	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	94.4	97.6	98.1	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	97.8	98.2	98.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	97.3	98.2	98.5	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	99.8	98.2	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	94.4	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	99.5	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	99.2	98.4	98.6	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	99.2	98.4	98.8	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	99.4	98.4	98.8	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	99.8	98.4	98.8	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.8	98.4	98.8	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.8	98.4	98.8	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.8	98.4	98.8	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1013

DATA PROCESSING BRANCH
AF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AFB MS
STATION NAME

56-77,74-79
YEAR

415
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15,000-20,000
FOOT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	67.1	71.1	71.2	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 18000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 16000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 14000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 12000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 10000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 8000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 7000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 6000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 5000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4500	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3500	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 2500	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 2000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 1800	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 1500	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 1200	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 1000	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 900	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 800	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 700	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 600	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 500	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 400	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 300	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 200	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 100	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 0	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9

TOTAL NUMBER OF OBSERVATIONS 1011

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF KS
STATION NAME

66-70,74-79
YEARS

PL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	67.4	73.2	74.7	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	71.3	77.8	78.5	78.5	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 18000	71.3	77.8	78.5	78.5	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 16000	71.3	77.8	78.5	78.5	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 14000	71.5	78.2	78.7	78.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 12000	71.6	78.6	79.2	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 10000	75.7	83.5	84.4	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 9000	76.2	84.6	85.6	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 8000	80.0	89.0	89.9	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 7000	82.0	90.9	91.9	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 6000	82.1	91.1	92.1	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 5000	82.3	92.4	93.4	93.6	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4500	83.1	92.5	93.5	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4000	84.2	94.7	95.3	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	84.5	95.3	96.3	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3000	84.3	95.6	96.5	96.9	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500	84.8	95.6	96.5	96.9	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2000	85.0	96.0	96.5	97.3	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	85.0	96.3	97.2	97.6	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	85.0	96.5	97.5	98.0	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	85.0	96.7	97.8	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	85.0	96.8	97.9	98.6	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	85.0	96.8	97.9	98.6	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	85.0	97.1	98.0	98.6	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	85.0	97.1	98.3	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	85.0	97.1	98.3	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	85.0	97.1	98.3	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	85.0	97.1	98.3	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.0	97.1	98.3	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.0	97.1	98.3	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.0	97.1	98.3	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.0	97.1	98.3	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1014

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17847
STATION

MARSHALL AAF WS
STATION NAME

56-70,74-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	67.3	67.3	68.7	68.3	68.6	68.7	68.8	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 20000	66.7	72.1	72.3	73.1	73.4	73.5	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8
IV 18000	66.7	72.1	72.3	73.2	73.5	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 16000	66.7	72.2	72.9	73.2	73.5	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 14000	67.1	72.6	73.3	73.6	73.9	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3
IV 12000	68.3	74.1	75.0	75.3	75.6	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 10000	72.8	79.3	80.2	80.5	81.0	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4
IV 9000	73.5	80.2	81.2	81.5	82.0	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4
IV 8000	76.5	83.7	84.7	85.1	85.7	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1
IV 7000	78.2	85.6	86.6	87.0	87.6	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 6000	79.1	86.7	87.7	88.1	88.7	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2
IV 5000	79.4	87.7	88.8	89.3	89.9	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4
IV 4500	80.0	87.9	89.0	89.5	90.2	90.3	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 4000	81.8	90.6	91.8	92.4	93.1	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 3500	81.9	91.1	92.2	92.8	93.6	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
IV 3000	82.5	92.1	93.3	93.9	94.8	95.1	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.5
IV 2500	82.6	92.4	93.7	94.3	95.2	95.4	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9
IV 2000	83.3	93.1	94.4	95.1	96.0	96.2	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.7
IV 1800	83.3	93.2	94.5	95.2	96.1	96.3	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
IV 1500	83.3	93.5	95.0	95.6	96.6	96.8	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.4
IV 1200	83.3	93.8	95.4	96.1	97.1	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
IV 1000	83.3	94.0	95.6	96.4	97.5	97.7	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	83.3	94.1	95.8	96.6	97.7	97.9	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6
IV 800	83.3	94.3	96.1	96.8	98.0	98.3	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	83.3	94.4	96.1	96.9	98.1	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
IV 600	83.3	94.4	96.2	97.0	98.3	98.7	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 500	83.3	94.4	96.2	97.0	98.3	98.7	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.7
IV 400	83.3	94.4	96.2	97.1	98.4	98.8	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8
IV 300	83.3	94.4	96.2	97.1	98.4	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 200	83.3	94.4	96.2	97.1	98.4	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 100	83.3	94.4	96.2	97.1	98.4	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 0	83.3	94.4	96.2	97.1	98.4	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2106

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13447
STATION

MARSHALL AAF KS

STATION NAME

65-70, 74-78

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-0200
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	63.2	57.9	58.7	65.9	69.3	69.5	69.7	70.1	70.1	70.4	70.5	70.5	70.6	70.6	71.0	71.4
≥ 20000	65.3	70.1	71.7	71.2	71.7	71.9	72.1	72.5	72.5	72.8	72.9	72.9	73.0	73.0	73.3	73.7
≥ 18000	65.3	70.1	71.7	71.2	71.7	71.9	72.1	72.5	72.5	72.8	72.9	72.9	73.0	73.0	73.3	73.7
≥ 16000	65.3	70.1	71.7	71.2	71.7	71.9	72.1	72.5	72.5	72.8	72.9	72.9	73.0	73.0	73.3	73.7
≥ 14000	65.5	70.5	71.4	71.6	72.1	72.3	72.5	72.9	72.9	73.2	73.3	73.3	73.4	73.4	73.7	74.1
≥ 12000	66.2	71.3	72.1	72.3	72.6	73.0	73.2	73.6	73.6	73.9	74.0	74.0	74.1	74.1	74.4	74.8
≥ 10000	68.1	73.8	74.6	74.8	75.3	75.5	75.7	76.1	76.1	76.4	76.5	76.5	76.6	76.6	76.9	77.3
≥ 9000	68.3	74.1	74.9	75.1	75.6	75.8	76.0	76.4	76.4	76.7	76.8	76.8	76.9	76.9	77.2	77.6
≥ 8000	69.9	76.7	77.5	77.8	78.3	78.5	78.7	79.1	79.1	79.5	79.6	79.6	79.7	79.7	80.0	80.4
≥ 7000	70.1	77.2	78.2	78.4	78.9	79.1	79.4	79.8	79.8	80.1	80.2	80.2	80.3	80.3	80.6	81.0
≥ 6000	71.3	78.9	80.0	80.2	80.7	80.9	81.1	81.5	81.5	81.8	81.9	81.9	82.0	82.0	82.3	82.7
≥ 5000	72.6	80.8	81.9	82.2	82.7	82.9	83.1	83.5	83.5	83.8	83.9	83.9	84.0	84.0	84.3	84.7
≥ 4500	72.7	81.1	82.2	82.5	83.0	83.2	83.4	83.8	83.8	84.1	84.2	84.2	84.3	84.3	84.6	85.0
≥ 4000	74.7	85.2	86.4	86.7	87.3	87.7	87.7	88.3	88.3	88.6	88.7	88.7	88.8	88.8	89.1	89.5
≥ 3500	75.2	86.0	87.2	87.6	88.3	88.6	88.8	89.2	89.2	89.5	89.6	89.6	89.7	89.7	90.0	90.4
≥ 3000	75.5	87.0	88.3	89.1	89.8	90.1	90.3	90.7	90.7	91.0	91.1	91.1	91.2	91.2	91.5	91.9
≥ 2500	75.8	87.5	89.2	89.6	90.4	90.7	90.9	91.3	91.3	91.6	91.7	91.7	91.8	91.8	92.1	92.5
≥ 2000	76.5	89.2	90.9	91.3	92.1	92.4	92.6	93.0	93.0	93.3	93.4	93.4	93.5	93.5	93.8	94.2
≥ 1800	76.9	89.6	91.5	91.9	92.7	93.0	93.2	93.6	93.6	93.9	94.1	94.1	94.1	94.1	94.4	94.8
≥ 1500	77.3	90.4	92.1	92.5	93.3	93.6	93.8	94.3	94.3	94.6	94.7	94.7	94.8	94.8	95.1	95.5
≥ 1200	77.2	91.0	92.7	93.1	94.0	94.3	94.5	95.0	95.0	95.3	95.4	95.4	95.5	95.5	95.9	96.3
≥ 1000	77.3	91.0	92.7	93.2	94.1	94.4	94.6	95.1	95.1	95.4	95.5	95.5	95.6	95.6	96.0	96.4
≥ 900	77.3	91.1	92.9	93.5	94.4	94.7	94.9	95.4	95.4	95.7	95.9	95.9	96.0	96.0	96.3	96.7
≥ 800	77.6	91.5	93.2	93.9	94.8	95.1	95.3	95.9	95.9	96.2	96.3	96.3	96.4	96.4	96.7	97.1
≥ 700	77.7	92.0	93.2	94.4	95.6	96.2	96.8	97.3	97.3	97.6	97.7	97.7	97.8	97.8	98.1	98.5
≥ 600	77.7	92.0	93.9	94.6	95.9	96.4	97.0	97.5	97.5	97.8	97.9	97.9	98.0	98.0	98.3	98.7
≥ 500	77.7	92.2	94.3	95.0	96.4	96.9	97.5	98.0	98.0	98.3	98.4	98.4	98.5	98.5	98.8	99.2
≥ 400	77.7	92.3	94.4	95.2	96.6	97.1	97.7	98.2	98.2	98.5	98.6	98.6	98.7	98.7	99.0	99.4
≥ 300	77.7	92.3	94.4	95.2	96.8	97.3	98.1	98.6	98.6	98.9	99.0	99.0	99.1	99.1	99.4	99.8
≥ 200	77.7	92.3	94.4	95.2	96.8	97.3	98.1	98.7	98.7	99.1	99.2	99.2	99.3	99.3	99.6	100.0
≥ 100	77.7	92.3	94.4	95.2	96.8	97.3	98.1	98.7	98.7	99.1	99.2	99.2	99.3	99.3	99.6	100.0
≥ 0	77.7	92.3	94.4	95.2	96.8	97.3	98.1	98.7	98.7	99.1	99.2	99.2	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 488

DATA PROCESSING BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1747

STATION NAME
MARSHALL AAF KS

YEARS
65-70, 74-78

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD
0300-0500
NOTES: 151

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	57.2	63.1	64.5	64.9	65.9	66.0	66.6	66.9	66.9	67.5	67.6	67.6	67.8	67.8	68.4	68.8
≥ 20000	59.5	65.6	67.0	67.4	68.3	68.4	69.0	69.3	69.3	69.9	70.0	70.0	70.2	70.2	70.6	71.2
≥ 18000	59.9	65.6	67.0	67.4	68.3	68.4	69.0	69.3	69.3	69.9	70.0	70.0	70.2	70.2	70.6	71.2
≥ 16000	59.5	65.6	67.0	67.4	68.3	68.4	69.0	69.3	69.3	69.9	70.0	70.0	70.2	70.2	70.6	71.2
≥ 14000	59.5	65.6	67.0	67.4	68.3	68.4	69.0	69.3	69.3	69.9	70.0	70.0	70.2	70.2	70.6	71.2
≥ 12000	59.7	65.9	67.3	67.7	68.6	68.7	69.3	69.6	69.6	70.2	70.3	70.3	70.5	70.5	71.1	71.5
≥ 10000	62.2	68.9	70.3	70.7	71.6	71.7	72.3	72.6	72.6	73.2	73.3	73.3	73.5	73.5	74.1	74.5
≥ 9000	62.2	68.9	70.3	70.7	71.6	71.7	72.3	72.6	72.6	73.2	73.3	73.3	73.5	73.5	74.1	74.5
≥ 8000	64.7	71.9	73.3	73.7	74.6	74.7	75.4	75.7	75.7	76.3	76.3	76.4	76.4	76.6	77.2	77.6
≥ 7000	64.8	72.3	73.7	74.3	75.4	75.5	76.3	76.6	76.6	77.2	77.3	77.3	77.5	77.5	78.1	78.5
≥ 6000	66.0	73.6	75.1	75.7	76.7	76.8	77.6	77.9	77.9	78.5	78.6	78.6	78.8	78.8	79.4	79.8
≥ 5000	66.3	75.1	76.6	77.3	78.3	78.4	79.3	79.6	79.6	80.2	80.3	80.3	80.5	80.5	81.1	81.5
≥ 4500	66.7	75.5	77.0	77.7	78.7	78.8	79.7	80.0	80.0	80.6	80.7	80.7	80.9	80.9	81.5	81.9
≥ 4000	68.0	76.5	78.0	78.7	80.2	80.3	81.2	81.5	81.5	82.1	82.2	82.2	82.4	82.4	83.0	83.4
≥ 3500	68.1	78.7	80.5	81.4	82.5	82.6	83.5	83.8	83.8	84.4	84.5	84.5	84.7	84.7	85.4	85.8
≥ 3000	69.2	80.4	82.7	83.7	84.9	85.1	86.0	86.3	86.3	86.9	87.0	87.0	87.2	87.2	87.8	88.2
≥ 2500	69.3	81.2	83.5	84.5	85.8	85.9	86.8	87.1	87.1	87.7	87.8	87.8	88.0	88.0	88.6	89.0
≥ 2000	70.5	82.6	85.1	86.1	87.5	87.6	88.5	88.8	88.8	89.4	89.5	89.5	89.7	89.7	90.3	90.7
≥ 1800	70.8	82.9	85.4	86.4	87.8	87.9	88.5	89.1	89.1	89.7	89.8	89.8	90.0	90.0	90.6	91.0
≥ 1500	70.8	83.0	85.9	86.9	88.3	88.4	89.3	89.6	89.6	90.2	90.3	90.3	90.5	90.5	91.1	91.5
≥ 1200	71.3	84.4	87.1	88.2	89.8	89.9	90.8	91.1	91.1	91.8	91.9	91.9	92.1	92.1	92.7	93.1
≥ 1000	71.5	85.1	87.8	88.9	90.7	90.8	91.7	92.0	92.0	92.7	92.8	92.8	93.1	93.1	93.7	94.1
≥ 900	71.6	85.5	88.4	89.5	91.4	91.5	92.4	92.7	92.7	93.4	93.5	93.5	93.8	93.8	94.4	94.8
≥ 800	71.6	85.7	88.7	89.9	91.9	92.0	92.9	93.2	93.3	94.0	94.1	94.1	94.4	94.4	95.1	95.5
≥ 700	71.9	86.1	89.2	90.5	92.5	92.6	93.6	93.9	94.1	94.8	94.9	94.9	95.3	95.3	95.9	96.3
≥ 600	71.9	86.3	89.6	91.1	93.2	93.3	94.3	94.6	94.8	95.6	95.7	95.7	96.0	96.0	96.6	97.0
≥ 500	71.9	86.4	90.0	91.6	93.8	94.0	95.1	95.4	95.6	96.5	96.6	96.6	96.9	96.9	97.5	97.9
≥ 400	71.9	86.7	90.3	92.0	94.3	94.5	95.6	95.9	96.1	97.0	97.3	97.3	97.6	97.6	98.2	98.6
≥ 300	71.9	86.7	90.4	92.1	94.4	94.7	95.9	96.5	96.7	97.7	98.0	98.0	98.3	98.3	98.9	99.3
≥ 200	71.9	86.7	90.4	92.1	94.4	94.7	95.9	96.6	96.8	97.8	98.1	98.1	98.4	98.4	99.0	99.4
≥ 100	71.9	86.7	90.4	92.1	94.4	94.7	95.9	96.6	96.8	97.8	98.1	98.1	98.4	98.4	99.0	99.4
≥ 0	71.9	86.7	90.4	92.1	94.4	94.7	95.9	96.6	96.8	97.8	98.3	98.3	98.6	98.6	99.2	99.6

TOTAL NUMBER OF OBSERVATIONS 990

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF KS
STATION NAME

65-70,74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-0000
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	64.6	53.6	56.2	57.6	58.6	58.8	59.6	59.7	59.7	60.6	60.8	60.8	61.1	61.1	61.4	61.9
≥ 20000	47.1	55.2	53.9	60.6	61.7	61.9	62.6	62.7	62.8	63.8	64.0	64.0	64.3	64.3	64.6	65.3
IV 18000	47.1	56.2	58.9	60.6	61.7	61.9	62.6	62.7	62.8	63.8	64.0	64.0	64.3	64.3	64.6	65.3
IV 16000	47.1	56.2	58.9	60.6	61.7	61.9	62.6	62.7	62.8	63.8	64.0	64.0	64.3	64.3	64.6	65.3
IV 14000	47.2	56.3	59.0	60.7	61.9	62.1	62.8	62.9	63.0	64.0	64.2	64.2	64.5	64.5	64.8	65.5
IV 12000	47.6	56.8	59.6	61.2	62.5	62.7	63.4	63.5	63.6	64.6	64.8	64.9	65.2	65.2	65.5	66.2
IV 10000	50.4	59.7	62.6	64.2	65.6	65.8	66.5	66.6	66.8	67.9	68.1	68.3	68.6	68.6	69.0	69.7
IV 9000	50.6	60.0	62.8	64.5	65.9	66.1	66.8	66.9	67.1	68.3	68.5	68.6	68.9	68.9	69.3	70.0
IV 8000	52.9	62.9	66.1	67.9	69.4	69.6	70.3	70.4	70.6	71.7	71.9	72.0	72.3	72.3	72.7	73.4
IV 7000	53.3	63.7	67.0	68.9	70.3	70.5	71.4	71.5	71.7	72.9	73.2	73.3	73.6	73.6	74.0	74.7
IV 6000	55.1	65.8	69.3	71.1	72.5	72.7	73.6	73.7	73.9	75.1	75.4	75.5	75.8	75.8	76.2	76.9
IV 5000	55.4	66.7	70.4	72.2	73.7	73.9	74.8	74.9	75.1	76.3	76.6	76.7	77.0	77.0	77.5	78.2
IV 4500	55.6	67.0	70.7	72.5	74.0	74.2	75.1	75.2	75.4	76.6	76.9	77.0	77.4	77.4	77.9	78.5
IV 4000	57.4	70.0	73.0	75.5	77.1	77.4	78.4	78.5	78.7	79.9	80.2	80.3	80.6	80.6	81.0	81.7
IV 3500	57.8	70.4	74.0	75.9	77.6	77.8	78.8	78.9	79.1	80.3	80.6	80.7	81.0	81.0	81.4	82.1
IV 3000	59.2	72.0	75.6	77.6	79.5	79.8	80.8	80.9	81.1	82.3	82.6	82.7	83.0	83.0	83.4	84.1
IV 2500	59.6	72.6	76.2	78.4	80.3	80.6	81.6	81.7	81.9	83.1	83.4	83.5	83.8	83.8	84.2	84.9
IV 2000	60.6	73.4	77.6	80.0	81.9	82.2	83.2	83.3	83.5	84.7	85.0	85.1	85.4	85.4	85.8	86.6
IV 1800	60.4	74.1	77.9	80.3	82.2	82.5	83.5	83.6	83.8	85.0	85.3	85.4	85.7	85.7	86.1	86.9
IV 1500	60.9	74.6	78.4	80.8	82.7	83.0	84.0	84.1	84.3	85.5	85.8	85.9	86.2	86.2	86.7	87.4
IV 1200	61.7	76.3	80.4	83.0	85.1	85.4	86.6	86.7	86.9	88.1	88.4	88.5	88.8	88.8	89.2	89.9
IV 1000	62.1	77.5	81.7	84.5	86.8	87.1	88.3	88.4	88.6	89.8	90.2	90.3	90.6	90.6	91.0	91.7
IV 900	62.2	78.3	82.7	85.6	87.9	88.2	89.4	89.5	89.6	91.0	91.4	91.5	91.8	91.8	92.2	92.9
IV 800	62.3	78.5	83.2	86.2	88.5	88.8	90.0	90.3	90.5	91.7	92.1	92.2	92.5	92.5	92.9	93.6
IV 700	62.5	78.7	83.4	86.5	88.8	89.2	90.6	90.9	91.1	92.4	92.8	92.9	93.2	93.2	93.6	94.3
IV 600	62.9	79.2	84.2	87.3	89.7	90.2	91.6	92.0	92.3	93.6	94.0	94.1	94.4	94.4	94.8	95.6
IV 500	62.9	79.4	84.7	87.8	90.2	90.7	92.2	92.7	93.1	94.5	94.8	95.0	95.3	95.3	95.7	96.7
IV 400	62.9	79.7	85.1	88.4	91.0	91.5	93.4	94.0	94.4	96.0	96.4	96.5	96.8	96.8	97.4	98.1
IV 300	62.9	79.7	85.1	88.4	91.1	91.8	93.6	94.2	94.7	96.3	96.7	96.8	97.4	97.4	98.1	98.8
IV 200	62.9	79.7	85.1	88.4	91.1	91.8	93.6	94.2	94.7	96.3	96.7	96.9	97.6	97.7	98.4	99.4
IV 100	62.9	79.7	85.1	88.4	91.1	91.8	93.6	94.2	94.7	96.3	96.7	96.9	97.6	97.7	98.5	99.6
IV 0	62.9	79.7	85.1	88.4	91.1	91.8	93.6	94.2	94.7	96.3	96.7	96.9	97.6	97.7	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 499

DATA PROCESSING BRANCH
USAF ETAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

12047
STATION

MARSHALL AAF KS
STATION NAME

55-70, 74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2500-1100
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	54.0	52.8	62.6	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	55.7	62.0	62.9	63.2	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 18000	55.7	52.0	62.7	63.2	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 16000	55.2	62.1	63.0	63.3	63.7	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	55.2	62.2	63.1	63.4	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 12000	56.4	63.2	63.9	64.3	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 10000	60.0	67.3	68.3	68.7	69.1	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	60.1	67.6	68.6	69.0	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	62.0	71.8	73.7	73.5	73.9	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 7000	63.5	73.3	74.6	75.0	75.4	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 6000	63.9	74.0	75.3	75.9	76.3	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 5000	64.5	75.2	76.6	77.3	77.8	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4500	64.6	75.3	75.7	77.4	77.9	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 4000	66.3	77.6	79.1	79.8	80.3	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500	67.0	78.5	80.1	80.9	81.4	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3000	67.7	79.9	81.7	82.5	83.0	83.2	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 2500	68.2	80.5	82.6	83.4	84.0	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 2000	69.1	82.5	84.6	85.4	86.2	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1800	69.5	83.7	85.8	86.6	87.4	87.7	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1500	70.2	84.6	86.8	87.6	88.4	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1200	71.2	86.5	89.2	90.2	91.0	91.4	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	72.0	87.8	91.7	92.0	93.1	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 900	72.3	88.4	91.6	93.0	94.1	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 800	72.3	88.8	92.1	93.6	94.9	95.5	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 700	72.5	89.2	92.6	94.2	95.5	96.4	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 600	72.8	90.0	93.5	95.2	96.7	97.5	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 500	72.8	90.3	94.1	95.8	97.3	98.4	98.8	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	72.8	90.3	94.1	95.8	97.4	98.6	99.2	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	72.8	90.3	94.1	95.8	97.4	98.6	99.2	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	72.9	90.4	94.2	95.9	97.5	98.7	99.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	72.9	90.4	94.2	95.9	97.5	98.7	99.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	72.9	90.4	94.2	95.9	97.5	98.7	99.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 987

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17047
STATION

MARSHALL AAF KS
STATION NAME

65-70,74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	69.3	61.3	62.0	60.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	62.7	65.6	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 18000	62.7	65.6	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	62.9	65.8	66.7	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	63.3	66.3	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 12000	64.1	67.4	67.6	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 10000	67.2	71.4	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	67.4	71.6	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 8000	69.1	73.7	73.9	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 7000	69.4	74.3	74.5	74.5	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 6000	70.1	75.1	75.3	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 5000	71.4	76.5	76.7	76.7	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 4500	71.7	76.8	77.0	77.0	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4000	74.1	80.3	80.9	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3500	75.9	82.7	83.0	83.0	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3000	77.0	84.0	84.8	84.8	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2500	78.3	85.8	86.7	86.7	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 2000	80.6	89.4	90.5	90.5	91.6	91.7	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1800	80.9	89.4	91.0	91.0	92.1	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1500	81.4	91.0	92.4	92.4	93.5	93.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1200	81.9	92.7	94.4	94.4	95.7	95.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	82.6	94.0	95.8	95.8	97.0	97.2	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	82.7	94.4	96.2	96.2	97.5	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	82.7	94.5	96.4	96.4	97.9	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	82.7	94.5	96.5	96.5	98.0	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	82.8	94.8	96.8	96.8	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	82.8	94.8	96.9	96.9	97.0	98.8	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	82.8	94.8	96.9	96.9	97.0	98.8	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	82.8	94.8	96.9	96.9	97.0	98.8	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	82.8	94.8	96.9	96.9	97.0	98.8	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	82.8	94.8	96.9	96.9	97.0	98.8	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	82.8	94.8	96.9	96.9	97.0	98.8	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 489

DATA PROCESSING BRANCH
AF ETAC
AF SAFETY SERVICE/MAC

CEILING VERSUS VISIBILITY

11-47
STATION

MARSHALL AAF MS
STATION NAME

65-70,74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1512-1700
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	53.9	62.5	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	54.3	67.9	65.2	65.2	64.2	64.2	63.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 18000	54.4	68.0	68.3	63.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 16000	54.4	68.0	68.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 14000	55.0	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	56.8	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 10000	59.6	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 9000	64.9	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000	72.3	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 7000	73.2	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	74.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000	75.7	81.8	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500	75.7	81.8	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	79.7	87.1	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3500	81.2	89.5	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	81.9	90.8	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	82.7	92.1	92.5	92.5	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	83.8	93.6	94.1	94.1	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	84.2	94.2	94.7	94.7	95.0	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	84.4	94.9	95.7	95.9	96.2	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	85.1	96.2	97.0	97.3	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	85.1	96.4	97.4	97.8	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	85.1	96.5	97.5	97.9	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	85.1	96.5	97.5	97.9	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	85.1	96.5	97.7	98.1	98.4	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	85.1	96.6	97.9	98.4	98.8	98.9	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	85.1	96.6	97.9	98.4	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	85.1	96.6	97.9	98.4	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	85.1	96.6	97.9	98.4	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	85.1	96.6	97.9	98.4	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	85.1	96.6	97.9	98.4	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	85.1	96.6	97.9	98.4	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 928

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13747
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2400
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	67.7	64.2	63.5	62.8	60.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 18000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 16000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 14000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 10000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 9000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2500	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1800	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1500	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1200	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1000	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 900	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 800	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 700	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 600	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 500	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 400	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 300	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 200	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 100	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 0	67.7	72.6	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3

TOTAL NUMBER OF OBSERVATIONS 990

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13-47
STATION

MARSHALL AAF KS
STATION NAME

55-70,74-7F
YEARS

SID
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	64.2	69.2	70.4	71.1	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7
≥ 20000	66.1	71.4	72.6	73.3	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9
≥ 18000	66.1	71.4	72.6	73.3	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9
≥ 16000	66.1	71.4	72.6	73.3	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9
≥ 14000	66.1	71.5	72.7	73.4	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0
≥ 12000	66.3	71.7	72.9	73.6	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2
≥ 10000	70.0	75.9	77.2	78.0	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6
≥ 9000	70.1	76.1	77.5	78.2	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8
≥ 8000	71.9	78.3	79.7	80.4	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	81.0	81.0	81.0	81.0
≥ 7000	72.4	79.5	80.9	81.6	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2
≥ 6000	73.9	80.8	82.2	82.9	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.6
≥ 5000	76.1	83.3	84.9	85.6	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3
≥ 4500	76.3	83.5	85.1	85.8	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.6	86.6	86.6	86.6
≥ 4000	78.5	87.2	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6
≥ 3500	79.0	88.1	90.3	90.7	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.6
≥ 3000	79.9	89.7	91.7	92.4	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5
≥ 2500	80.3	90.4	92.4	93.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 2000	80.4	91.1	93.1	93.9	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2
≥ 1800	80.6	91.4	93.4	94.3	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7
≥ 1500	81.0	92.0	94.0	94.9	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3
≥ 1200	81.1	92.6	94.7	95.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 1000	81.4	93.3	95.6	96.5	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.9	97.9	97.9	97.9
≥ 900	81.4	93.4	95.8	96.7	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
≥ 800	81.5	93.8	96.2	97.1	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5
≥ 700	81.6	94.0	96.5	97.4	98.6	98.7	98.7	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 600	81.6	94.1	96.7	97.6	98.8	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 500	81.6	94.3	97.0	97.9	99.4	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	81.6	94.3	97.0	98.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	81.6	94.3	97.0	98.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	81.6	94.3	97.0	98.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	81.6	94.3	97.0	98.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	81.6	94.3	97.0	98.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 980

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-47
STATION

MARSHALL AFB KS

STATION NAME

66-70, 74-79

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (24)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	59.1	67.2	64.2	64.6	65.7	65.1	65.3	65.4	65.4	65.6	65.7	65.7	65.8	65.8	65.9	66.1
≥ 20000	61.8	67.4	67.4	67.9	68.3	68.4	68.6	68.7	68.7	68.8	68.9	69.0	69.1	69.1	69.3	69.5
≥ 18000	61.8	66.5	67.4	67.9	68.2	68.4	68.6	68.7	68.7	68.8	68.9	69.0	69.1	69.1	69.3	69.5
≥ 16000	61.8	66.5	67.4	67.9	68.2	68.4	68.6	68.7	68.7	68.8	68.9	69.0	69.1	69.1	69.3	69.5
≥ 14000	61.2	66.8	67.4	67.9	68.2	68.4	68.6	68.7	68.7	68.8	68.9	69.0	69.1	69.1	69.3	69.5
≥ 12000	61.4	67.4	68.5	69.0	69.5	69.6	69.8	69.9	69.9	70.1	70.2	70.2	70.3	70.3	70.4	70.6
≥ 10000	64.4	71.2	72.3	72.7	73.2	73.3	73.5	73.5	73.7	73.9	74.0	74.0	74.1	74.1	74.2	74.4
≥ 9000	65.1	71.5	72.5	72.8	73.5	73.5	73.8	73.9	73.9	74.2	74.2	74.2	74.3	74.3	74.5	74.7
≥ 8000	67.3	74.3	75.4	75.9	76.5	76.5	76.7	76.8	76.9	77.1	77.2	77.2	77.3	77.3	77.5	77.6
≥ 7000	67.3	75.2	76.4	76.5	77.5	77.5	77.5	77.9	77.9	78.2	78.3	78.3	78.4	78.4	78.5	78.7
≥ 6000	68.9	76.5	77.7	78.2	78.8	78.8	79.1	79.2	79.3	79.5	79.6	79.6	79.7	79.7	79.9	80.1
≥ 5000	69.9	77.0	79.3	79.9	80.5	80.5	80.9	81.0	81.0	81.3	81.4	81.4	81.5	81.5	81.6	81.8
≥ 4500	73.2	78.3	79.6	80.2	80.8	80.9	81.2	81.3	81.3	81.6	81.6	81.6	81.7	81.7	81.9	82.1
≥ 4000	72.4	81.6	83.3	83.9	84.6	84.7	85.0	85.1	85.2	85.4	85.5	85.5	85.6	85.6	85.8	86.0
≥ 3500	73.2	82.4	84.4	85.1	85.3	85.9	86.2	86.3	86.4	86.6	86.7	86.7	86.8	86.8	87.0	87.2
≥ 3000	74.0	84.4	86.1	86.8	87.7	87.8	88.2	88.3	88.3	88.6	88.6	88.6	88.8	88.8	88.9	89.1
≥ 2500	74.5	85.2	87.7	87.7	88.7	88.8	89.2	89.3	89.3	89.6	89.7	89.7	89.8	89.8	90.0	90.2
≥ 2000	75.5	86.7	88.7	89.5	90.6	90.7	91.1	91.2	91.3	91.6	91.6	91.6	91.7	91.7	91.9	92.1
≥ 1800	75.4	87.4	89.2	90.1	91.1	91.3	91.7	91.8	91.8	92.1	92.2	92.2	92.3	92.3	92.5	92.7
≥ 1500	76.2	88.1	90.5	90.9	91.9	92.1	92.5	92.6	92.7	93.0	93.0	93.0	93.2	93.2	93.3	93.5
≥ 1200	76.6	88.3	91.4	92.3	93.5	93.6	94.0	94.2	94.2	94.5	94.5	94.6	94.7	94.7	94.9	95.1
≥ 1000	77.0	89.9	92.1	93.2	94.4	94.6	95.1	95.2	95.2	95.5	95.6	95.6	95.8	95.8	96.1	96.1
≥ 900	77.3	90.3	92.8	93.7	94.9	95.2	95.6	95.7	95.9	96.1	96.2	96.2	96.3	96.3	96.5	96.7
≥ 800	77.1	90.5	92.9	94.0	95.3	95.5	96.0	96.1	96.2	96.5	96.6	96.6	96.8	96.8	96.9	97.1
≥ 700	77.2	90.7	93.2	94.3	95.7	96.0	96.6	96.7	96.8	97.2	97.2	97.2	97.4	97.4	97.6	97.8
≥ 600	77.3	91.0	93.5	94.8	96.2	96.5	97.2	97.3	97.4	97.8	97.9	97.9	98.0	98.0	98.2	98.4
≥ 500	77.3	91.1	93.9	95.1	96.7	97.1	97.7	97.9	98.0	98.4	98.5	98.5	98.7	98.7	98.9	99.1
≥ 400	77.3	91.2	94.0	95.2	96.9	97.3	98.0	98.2	98.3	98.8	98.9	98.9	99.1	99.1	99.3	99.4
≥ 300	77.1	91.2	94.0	95.2	97.0	97.4	98.2	98.5	98.6	99.1	99.2	99.2	99.4	99.4	99.6	99.6
≥ 200	77.3	91.2	94.0	95.3	97.0	97.4	98.2	98.5	98.6	99.1	99.2	99.2	99.4	99.4	99.6	99.6
≥ 100	77.3	91.2	94.0	95.3	97.0	97.4	98.2	98.5	98.6	99.1	99.2	99.2	99.4	99.4	99.6	99.6
≥ 0	77.3	91.2	94.0	95.3	97.0	97.4	98.2	98.5	98.6	99.1	99.2	99.2	99.4	99.4	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 7910

DATA PROCESSING BRANCH
 AFMPC
 AFMPC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13 47
 STATION

MARSHALL AAF KS

STATION NAME

65-70,74-75

YEARS

261
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

200-2000
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	59.9	72.7	73.1	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7
≥ 20000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 18000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 16000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 14000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 12000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 10000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 9000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 8000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 7000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 6000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 5000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 4500	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 4000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 3500	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 3000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 2500	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 2000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 1800	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 1500	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 1200	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 1000	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 900	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 800	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 700	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 600	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 500	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 400	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 300	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 200	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 100	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4
IV 0	71.4	74.3	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4

TOTAL NUMBER OF OBSERVATIONS 1021

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 JUL 47
STATION

MARSHALL AFB MS

STATION NAME

65-70, 74-78

YEARS

101
OBSPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)6.7-75.0
HOURS

CEILING - FEET	VISIBILITY - STATUTE MILE -															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	66.1	69.2	70.5	70.8	71.7	71.0	71.2	71.2	71.3	71.6	71.7	71.7	71.7	71.9	72.3	72.3
≥ 20000	66.7	69.8	71.7	71.4	71.6	71.6	71.7	71.7	71.6	72.1	72.2	72.2	72.2	72.5	72.9	72.9
IV 18000	66.7	69.8	71.1	71.4	71.6	71.6	71.7	71.7	71.6	72.1	72.2	72.2	72.2	72.5	72.9	72.9
IV 16000	66.7	69.8	71.1	71.4	71.6	71.6	71.7	71.7	71.6	72.1	72.2	72.2	72.2	72.5	72.9	72.9
IV 14000	66.7	69.8	71.1	71.4	71.6	71.6	71.7	71.7	71.6	72.1	72.2	72.2	72.2	72.5	72.9	72.9
IV 12000	67.5	70.7	72.2	72.3	72.5	72.5	72.7	72.7	72.4	73.1	73.2	73.2	73.2	73.5	73.9	73.9
IV 10000	69.7	72.8	74.2	74.5	74.7	74.7	74.9	74.9	75.0	75.3	75.4	75.4	75.4	75.7	76.1	76.1
IV 9000	69.7	72.8	74.2	74.5	74.7	74.7	74.9	74.9	75.0	75.3	75.4	75.4	75.4	75.7	76.1	76.1
IV 8000	70.4	74.1	75.5	75.8	76.0	76.0	76.1	76.1	76.2	76.5	76.6	76.6	76.6	76.9	77.3	77.3
IV 7000	71.9	75.8	77.1	77.4	77.6	77.6	77.8	77.8	77.4	78.2	78.3	78.3	78.3	78.6	79.0	79.0
IV 6000	73.3	77.5	78.9	79.2	79.4	79.4	79.6	79.6	79.7	80.0	80.1	80.1	80.1	80.4	80.7	80.7
IV 5000	74.1	78.9	80.4	80.6	80.9	80.9	81.1	81.1	81.2	81.5	81.6	81.6	81.6	81.9	82.3	82.3
IV 4500	74.9	79.9	81.3	81.6	81.9	81.9	82.1	82.1	82.2	82.5	82.6	82.6	82.6	82.9	83.3	83.3
IV 4000	75.5	82.0	83.5	83.8	84.1	84.1	84.3	84.3	84.4	84.7	84.8	84.8	84.8	85.0	85.4	85.4
IV 3500	76.9	83.3	84.8	85.1	85.4	85.4	85.6	85.6	85.7	86.0	86.1	86.1	86.1	86.4	86.8	86.8
IV 3000	77.6	84.1	85.6	85.9	86.2	86.2	86.4	86.4	86.5	86.8	86.9	86.9	86.9	87.2	87.6	87.6
IV 2500	78.6	85.5	87.1	87.4	87.7	87.7	87.9	87.9	88.0	88.3	88.4	88.4	88.4	88.7	89.1	89.1
IV 2000	79.2	86.3	87.4	88.3	88.6	88.6	88.8	88.8	88.9	89.1	89.2	89.2	89.2	89.5	89.9	89.9
IV 1800	79.9	87.2	88.4	89.2	89.5	89.5	89.7	89.7	89.8	90.0	90.1	90.1	90.1	90.5	90.9	90.9
IV 1500	80.8	88.6	90.3	90.7	91.0	91.0	91.2	91.2	91.3	91.6	91.7	91.7	91.7	92.0	92.4	92.4
IV 1200	81.2	90.5	91.9	92.3	92.7	92.7	92.9	92.9	93.0	93.3	93.4	93.4	93.4	93.6	94.0	94.0
IV 1000	81.2	91.5	92.8	93.2	93.7	93.7	93.9	93.9	94.0	94.3	94.4	94.4	94.4	94.7	95.1	95.1
IV 900	81.4	91.9	93.5	93.8	94.5	94.5	94.9	94.9	95.0	95.3	95.4	95.4	95.4	95.7	96.1	96.1
IV 800	81.4	91.3	94.1	94.5	95.5	95.5	96.0	96.0	96.1	96.4	96.5	96.5	96.5	96.8	97.2	97.2
IV 700	81.9	91.8	94.8	95.1	96.1	96.2	96.6	96.7	96.8	97.1	97.2	97.2	97.2	97.5	97.8	97.8
IV 600	81.9	92.3	95.3	95.6	96.9	97.0	97.4	97.5	97.6	97.8	97.9	97.9	97.9	98.2	98.6	98.6
IV 500	81.9	92.5	95.6	96.2	97.3	97.4	97.8	97.8	97.9	98.2	98.3	98.3	98.3	98.6	99.0	99.0
IV 400	81.9	92.5	95.7	96.3	97.4	97.5	97.8	98.0	98.1	98.4	98.5	98.5	98.5	98.8	99.2	99.2
IV 300	81.9	92.5	95.7	96.3	97.5	97.6	97.9	98.1	98.2	98.5	98.6	98.6	98.6	98.9	99.3	99.3
IV 200	81.9	92.5	95.7	96.3	97.6	97.7	98.0	98.2	98.3	98.6	98.7	98.7	98.7	99.0	99.4	99.4
IV 100	81.9	92.5	95.7	96.3	97.6	97.7	98.0	98.2	98.3	98.6	98.7	98.7	98.7	99.0	99.4	99.4
IV 0	81.9	92.5	95.7	96.3	97.6	97.7	98.0	98.2	98.3	98.6	98.7	98.7	98.7	99.0	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 1023

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
AFM STAC
AFM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17 47
STATION

MARSHALL AFB MS

STATION NAME

65-70, 74-78

YEAR

2000
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

65-70, 74-78
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.5	64.5	65.7	65.9	66.3	67.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 20000	3.3	66.7	66.9	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 18000	3.3	66.7	67.0	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 16000	3.3	66.7	67.0	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 14000	3.3	66.7	67.0	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 12000	3.3	66.7	67.0	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 10000	67.4	71.5	71.4	71.6	72.2	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	67.6	71.7	71.5	71.7	72.2	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 8000	68.4	73.2	74.2	74.4	74.9	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 7000	70.7	74.5	75.5	75.7	76.1	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 6000	72.3	75.2	77.2	77.4	77.9	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 5000	73.7	75.3	79.6	79.6	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4500	73.7	75.3	79.6	79.9	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4000	74.6	75.7	80.9	81.2	81.8	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3500	75.3	81.6	83.9	84.2	84.9	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	75.7	81.9	83.7	83.3	84.0	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 2500	76.1	82.5	83.9	84.2	84.9	85.0	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2000	76.7	83.6	85.0	85.7	86.8	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1800	77.9	85.5	86.5	87.2	88.3	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1500	78.6	86.4	88.4	89.1	90.3	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1200	79.1	87.3	89.6	90.4	91.7	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000	79.2	87.9	90.4	91.3	92.5	92.6	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 900	79.4	88.1	90.4	91.9	93.4	93.5	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	79.5	88.5	91.7	92.5	94.1	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	79.5	88.5	91.3	92.7	94.4	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 600	79.5	88.6	91.6	92.1	95.0	95.3	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 500	79.5	88.6	91.7	93.3	95.5	95.8	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 400	79.5	88.6	91.7	93.3	95.5	95.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	79.5	88.6	91.7	93.3	95.6	96.1	97.0	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 200	79.5	88.6	91.7	93.3	95.7	96.1	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	79.5	88.6	91.7	93.3	95.7	96.1	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	79.5	88.6	91.7	93.3	95.7	96.1	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 1023

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS

STATION NAME

45-70,74-74

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1922-1966
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 20000	65.2	67.8	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4
≥ 18000	66.2	67.8	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4
≥ 16000	66.2	67.8	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4
≥ 14000	66.3	67.7	68.2	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6
≥ 12000	67.4	69.0	69.3	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.7
≥ 10000	70.4	72.1	72.5	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.0
≥ 9000	70.5	72.4	72.8	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3
≥ 8000	72.7	75.2	75.7	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2
≥ 7000	74.2	76.7	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.7
≥ 6000	75.6	78.3	78.8	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.5
≥ 5000	75.9	79.4	79.8	80.1	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.7
≥ 4500	75.9	79.5	79.9	80.2	80.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.9
≥ 4000	76.6	80.9	81.5	81.9	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.9
≥ 3500	77.5	81.9	82.6	83.0	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.0
≥ 3000	78.3	83.2	83.9	84.2	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.4
≥ 2500	78.6	84.3	85.0	85.7	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1
≥ 2000	79.0	86.2	87.2	88.3	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.6
≥ 1800	80.0	87.2	88.2	89.2	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.6
≥ 1500	81.5	89.3	90.3	91.4	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.8
≥ 1200	82.2	91.0	92.5	93.7	94.7	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.5
≥ 1000	82.2	91.3	92.8	94.3	95.3	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.2
≥ 900	82.3	91.7	93.4	95.1	95.1	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.0
≥ 800	82.3	91.8	93.7	95.4	96.5	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5
≥ 700	82.3	91.8	93.8	95.7	96.8	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 600	82.3	92.1	94.2	96.2	97.5	97.7	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0
≥ 500	82.3	92.1	94.2	96.2	97.6	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1
≥ 400	82.3	92.1	94.2	96.3	97.7	98.0	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8
≥ 300	82.3	92.1	94.2	96.3	97.7	98.0	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.9
≥ 200	82.3	92.1	94.2	96.3	97.7	98.0	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0
≥ 100	82.3	92.1	94.2	96.3	97.7	98.0	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0
≥ 0	82.3	92.1	94.2	96.3	97.7	98.0	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1622

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12547
STATION

MARSHALL AAF KS
STATION NAME

65-77,74-74
YEARS

10T
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1227-1490
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.2	≥.1	≥.0
NO CEILING	64.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 20000	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 18000	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 16000	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 14000	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 12000	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 10000	74.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 8000	77.3	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	77.7	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000	78.3	80.4	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000	78.9	81.7	81.4	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4500	79.2	81.3	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4000	80.3	82.8	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3500	80.6	83.6	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000	81.4	85.4	85.8	85.8	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2500	83.5	88.0	88.5	88.7	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000	85.2	90.1	90.6	91.0	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	85.9	91.1	91.0	92.0	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500	86.7	92.0	92.5	92.9	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200	87.1	93.6	94.1	94.7	95.2	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	87.7	94.5	95.0	95.8	96.4	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	87.3	94.8	95.3	96.3	97.0	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	87.5	95.3	95.8	96.8	97.6	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	87.3	95.3	95.9	96.9	97.7	98.4	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	87.5	95.6	96.2	97.6	98.4	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	87.5	95.6	96.2	97.6	98.5	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	87.5	95.6	96.2	97.6	98.5	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	87.5	95.6	96.2	97.6	98.5	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	87.5	95.6	96.2	97.6	98.5	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.5	95.6	96.2	97.6	98.5	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	87.5	95.6	96.2	97.6	98.5	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1022

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17747
STATION

MARSHALL AAF MS
STATION NAME

65-70, 74-78
YEARS

207
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1537-1700
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING ≥ 20000	67.4 71.0	58.8 72.7	69.7 72.1	68.7 72.1	69.7 72.1	65.7 72.1	62.7 72.1	58.7 72.1	68.7 72.1	68.7 72.1	68.7 72.1	68.7 72.1	68.7 72.1	68.7 72.1	68.7 72.1	68.7 72.1
≥ 18000 IV 16000	70.6 70.6	72.1 72.0	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1
≥ 14000 IV 12000	70.7 72.1	72.1 73.7	72.2 73.5	72.2 73.8	72.2 73.8	72.2 73.8	72.2 73.8	72.2 73.8	72.2 73.8	72.2 73.8	72.2 73.8	72.2 73.8	72.2 73.8	72.2 73.8	72.2 73.8	72.2 73.8
≥ 10000 IV 9000	75.3 75.4	77.1 77.2	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3	77.2 77.3
≥ 8000 IV 7000	79.5 79.2	81.6 81.6	80.9 81.8	80.8 81.8	80.8 81.8	80.8 81.8	80.8 81.8	80.8 81.8	80.8 81.8	80.8 81.8	80.8 81.8	80.8 81.8	80.8 81.8	80.8 81.8	80.8 81.8	80.8 81.8
≥ 6000 IV 5000	79.9 80.7	82.4 83.5	82.7 83.9	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8
≥ 4500 IV 4000	81.0 81.9	83.5 84.1	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6	84.1 85.6
≥ 3500 IV 3000	83.1 84.1	86.4 88.6	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1	86.9 89.1
≥ 2500 IV 2000	85.2 86.3	90.2 92.1	91.0 93.0	91.0 93.2	91.0 93.3	91.0 93.3	91.0 93.3	91.0 93.3	91.0 93.3	91.0 93.3	91.0 93.3	91.0 93.3	91.0 93.3	91.0 93.3	91.0 93.3	91.0 93.3
≥ 1800 IV 1500	86.8 87.2	92.7 93.5	93.6 94.4	93.7 94.5	93.8 94.6	93.9 94.7	93.9 94.8	93.9 94.8	93.9 94.8	93.9 94.8	93.9 94.8	93.9 94.8	93.9 94.8	93.9 94.8	93.9 94.8	93.9 94.8
≥ 1200 IV 1000	87.4 87.5	94.7 94.5	95.1 95.7	95.4 96.3	95.5 97.0	95.6 97.1	95.7 97.2	95.7 97.2	95.7 97.2	95.7 97.3	95.7 97.3	95.7 97.3	95.7 97.3	95.7 97.3	95.7 97.3	95.7 97.3
≥ 900 IV 800	87.5 87.7	95.3 95.3	96.1 96.6	97.1 97.7	97.8 98.4	97.8 98.6	97.9 98.7	97.9 98.7	97.9 98.7	98.0 98.8	98.0 98.8	98.0 98.8	98.0 98.8	98.0 98.8	98.0 98.8	98.0 98.8
≥ 700 IV 600	87.7 87.7	95.4 95.5	96.7 96.9	97.8 98.1	98.6 98.9	98.8 99.2	98.9 99.3	98.9 99.3	98.9 99.3	99.0 99.5	99.0 99.5	99.0 99.5	99.0 99.5	99.0 99.5	99.0 99.5	99.0 99.5
≥ 500 IV 400	87.7 87.7	95.5 95.5	97.1 97.1	98.3 98.3	99.1 99.1	99.4 99.5	99.6 99.7	99.6 99.7	99.6 99.7	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
≥ 300 IV 200	87.7 87.7	95.5 95.5	97.1 97.1	98.3 98.3	99.1 99.1	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
≥ 100 IV 0	87.7 87.7	95.5 95.5	97.1 97.1	98.3 98.3	99.1 99.1	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/44C

CEILING VERSUS VISIBILITY

13/47
STATION

MARSHALL AAF KS

STATION NAME

65-70,74-78

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	70.2	72.1	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 20000	72.3	74.7	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 18000	72.3	74.7	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 16000	72.4	74.8	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 14000	72.4	74.8	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 12000	73.3	75.6	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	76.7	79.1	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 9000	76.7	79.1	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 8000	79.0	81.5	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 7000	79.5	82.1	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000	80.4	83.1	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 5000	81.9	84.9	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4500	82.0	85.2	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4000	82.7	86.6	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500	83.3	87.4	88.0	88.1	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	83.9	88.6	89.6	89.7	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	84.3	89.7	91.0	91.1	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	86.0	92.0	93.5	93.6	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800	86.3	93.1	94.5	94.8	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	86.7	93.6	95.2	95.4	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	87.1	93.9	95.5	96.0	96.5	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	87.1	94.2	96.0	96.6	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	87.2	94.5	96.3	97.4	97.9	98.0	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	87.4	94.8	96.7	97.9	98.7	98.9	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	87.4	94.9	97.0	98.2	99.0	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	87.5	95.0	97.1	98.3	99.1	99.3	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	87.5	95.0	97.1	98.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	87.5	95.0	97.1	98.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	87.5	95.0	97.1	98.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	87.5	95.0	97.1	98.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	87.5	95.0	97.1	98.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	87.5	95.0	97.1	98.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1022

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13-47
STATION

MARSHALL AAF MS
STATION NAME

65-73, 74-78
YEARS

001
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2300
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	71.9	73.6	73.7	73.7	73.9	73.7	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 20000	73.1	75.4	75.5	75.5	75.7	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 18000	73.1	75.4	75.5	75.5	75.7	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 16000	73.1	75.4	75.5	75.5	75.7	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 14000	73.1	75.4	75.5	75.5	75.7	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 12000	73.4	75.7	75.8	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	76.4	78.7	78.8	78.8	79.0	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 9000	76.5	78.8	78.9	78.9	79.1	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000	76.9	81.5	81.6	81.6	81.8	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	80.4	83.1	83.2	83.2	83.4	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 6000	82.0	84.9	85.0	85.0	85.2	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 5000	82.9	86.5	86.6	86.6	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4500	83.3	87.1	87.2	87.2	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4000	84.2	88.3	88.4	88.4	88.6	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3500	84.3	89.2	89.4	89.4	89.6	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3000	85.5	90.8	91.0	91.0	91.2	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	86.1	92.0	92.2	92.2	92.4	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	86.5	93.3	93.5	93.5	93.6	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1800	87.3	93.8	94.0	94.1	94.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	87.6	94.6	94.9	95.1	95.3	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	88.0	95.6	95.9	96.4	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	88.7	96.1	96.5	97.0	97.2	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	88.0	96.3	96.8	97.4	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	88.0	96.3	96.8	97.4	97.8	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	88.0	96.3	97.0	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	88.1	96.4	97.1	97.8	98.4	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	88.2	96.5	97.3	98.1	98.7	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	88.2	96.6	97.5	98.3	98.9	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.2	96.6	97.5	98.3	98.9	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.2	96.6	97.5	98.3	98.9	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.2	96.6	97.5	98.3	98.9	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	88.2	96.6	97.5	98.3	98.9	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAG

CEILING VERSUS VISIBILITY

13547
STATION

MARSHALL AAF KS
STATION NAME

55-70,74-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	67.2	69.0	69.3	69.5	69.6	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.9	69.9	70.0	70.1
≥ 20000	69.2	71.3	71.7	71.8	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.4	72.4
IV 18000	69.2	71.4	71.8	71.9	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.3	72.3	72.3	72.4	72.5
IV 16000	69.2	71.4	71.8	71.9	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.3	72.3	72.4	72.5	72.5
IV 14000	69.2	71.4	71.8	71.9	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.5	72.5
IV 12000	70.1	72.3	72.7	72.8	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.4	73.4
IV 10000	73.0	75.4	75.9	76.0	76.1	76.1	76.2	76.2	76.3	76.4	76.4	76.4	76.5	76.5	76.6	76.6
IV 9000	73.2	75.6	76.1	76.2	76.3	76.3	76.4	76.4	76.4	76.5	76.6	76.6	76.6	76.6	76.7	76.8
IV 8000	75.2	78.1	78.6	78.7	78.9	78.9	79.0	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.3	79.4
IV 7000	76.3	79.3	79.8	80.0	80.1	80.1	80.2	80.2	80.2	80.3	80.4	80.4	80.5	80.5	80.6	80.6
IV 6000	77.6	80.7	81.2	81.4	81.6	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.9	81.9	82.0	82.0
IV 5000	78.6	82.1	82.8	82.9	83.1	83.2	83.2	83.2	83.3	83.4	83.4	83.4	83.5	83.5	83.6	83.6
IV 4500	78.7	82.5	83.1	83.3	83.5	83.5	83.7	83.7	83.7	83.8	83.8	83.8	83.9	83.9	84.0	84.0
IV 4000	79.6	83.9	84.6	84.8	85.1	85.1	85.2	85.3	85.3	85.4	85.4	85.4	85.5	85.5	85.6	85.6
IV 3500	80.4	84.9	85.7	85.9	86.2	86.2	86.3	86.3	86.4	86.5	86.5	86.5	86.6	86.6	86.7	86.7
IV 3000	81.2	86.3	87.2	87.4	87.7	87.7	87.8	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.2	88.2
IV 2500	82.0	87.7	88.6	88.9	89.2	89.3	89.4	89.4	89.4	89.5	89.6	89.6	89.7	89.7	89.8	89.8
IV 2000	83.1	89.2	90.2	90.6	91.0	91.1	91.2	91.2	91.2	91.3	91.4	91.4	91.5	91.5	91.6	91.6
IV 1800	83.5	91.1	91.1	91.5	92.0	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.5	92.5
IV 1500	84.3	91.2	92.4	92.8	93.2	93.3	93.5	93.5	93.5	93.6	93.7	93.7	93.7	93.7	93.8	93.9
IV 1200	84.7	92.3	93.6	94.2	94.7	94.8	95.0	95.0	95.1	95.2	95.2	95.2	95.3	95.3	95.4	95.4
IV 1000	84.8	92.5	94.3	95.0	95.7	95.9	96.1	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.5	96.5
IV 900	84.9	93.2	94.8	95.7	96.4	96.6	96.9	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.3	97.3
IV 800	85.0	93.5	95.1	96.2	97.0	97.3	97.6	97.6	97.7	97.8	97.8	97.8	97.9	97.9	98.0	98.0
IV 700	85.1	93.6	95.4	96.5	97.4	97.7	98.0	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.5	98.5
IV 600	85.1	93.8	95.6	96.9	97.8	98.1	98.6	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.1	99.1
IV 500	85.1	93.8	95.7	97.0	98.0	98.3	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.3	99.4	99.4
IV 400	85.1	93.9	95.8	97.1	98.1	98.5	99.0	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.6	99.7
IV 300	85.1	93.9	95.8	97.1	98.2	98.5	99.0	99.2	99.3	99.5	99.6	99.6	99.7	99.7	99.8	99.8
IV 200	85.1	93.9	95.8	97.1	98.2	98.5	99.0	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.9	100.0
IV 100	85.1	93.9	95.8	97.1	98.2	98.5	99.0	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.9	100.0
IV 0	85.1	93.9	95.8	97.1	98.2	98.5	99.0	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 8179

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-47
STATION

MARSHALL AAF MS
STATION NAME

65-70,74-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0100
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	62.1	64.7	65.1	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.7	65.7	65.7	65.8
≥20000	63.4	66.1	66.5	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.1	67.1	67.1	67.2
IV 18000	63.4	66.1	66.5	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.1	67.1	67.1	67.2
IV 16000	63.4	66.1	66.5	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.1	67.1	67.1	67.2
IV 14000	63.7	66.4	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.4	67.4	67.4	67.5
IV 12000	64.7	67.4	67.6	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.4	68.4	68.4	68.5
IV 10000	67.5	70.4	70.5	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.5	71.5	71.5	71.6
IV 9000	67.6	70.5	71.0	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.6	71.6	71.6	71.7
IV 8000	68.9	72.4	72.8	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.4	73.4	73.4	73.5
IV 7000	69.8	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.5	74.5	74.5	74.6
IV 6000	70.2	74.2	74.6	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.2	75.2	75.2	75.3
IV 5000	71.5	75.5	75.9	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.5	76.5	76.5	76.6
IV 4500	71.9	76.0	76.4	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.9	77.0	77.0	77.0	77.1
IV 4000	74.8	78.4	78.9	79.0	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.5	79.5	79.5	79.6
IV 3500	74.8	79.5	80.1	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.8	80.8	80.8	80.9
IV 3000	75.2	81.5	82.1	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.8	82.8	82.8	82.9
IV 2500	76.5	82.1	82.7	82.9	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.7	83.7	83.7	83.8
IV 2000	79.0	84.4	85.0	85.2	85.7	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.1	86.2	86.2	86.3
IV 1800	79.3	85.0	85.6	85.8	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.7	86.8	86.8	86.9
IV 1500	80.0	86.8	87.9	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.1	89.2	89.3	89.4
IV 1200	81.1	88.9	89.8	90.0	90.7	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.1	91.2	91.3	91.4
IV 1000	81.6	89.8	90.9	91.1	92.0	92.1	92.2	92.3	92.3	92.3	92.3	92.5	92.6	92.7	92.7	92.8
IV 900	81.7	90.3	91.5	91.7	92.6	92.7	92.8	92.9	92.9	92.9	92.9	93.1	93.2	93.3	93.3	93.4
IV 800	82.5	91.2	92.8	93.1	94.2	94.4	94.6	94.7	94.7	94.7	94.7	94.9	95.0	95.1	95.1	95.2
IV 700	82.5	91.6	93.7	94.1	95.9	96.1	96.3	96.4	96.4	96.4	96.4	96.6	96.7	96.8	96.8	96.9
IV 600	82.5	91.8	94.2	94.7	96.5	96.7	96.9	97.0	97.0	97.0	97.0	97.1	97.3	97.6	97.7	97.8
IV 500	82.5	91.9	94.5	95.2	97.1	97.3	97.6	97.7	97.8	97.8	97.8	98.0	98.4	98.5	98.5	98.6
IV 400	82.5	91.9	94.6	95.3	97.2	97.4	97.8	97.9	98.0	98.0	98.0	98.5	98.9	99.0	99.0	99.1
IV 300	82.5	91.9	94.6	95.3	97.2	97.4	97.8	97.9	98.1	98.6	98.6	99.0	99.1	99.1	99.1	99.2
IV 200	82.5	91.9	94.6	95.3	97.2	97.4	97.8	97.9	98.1	98.6	98.6	99.1	99.2	99.2	99.2	99.3
IV 100	82.5	91.9	94.6	95.3	97.2	97.4	97.8	97.9	98.1	98.6	98.6	99.1	99.2	99.2	99.2	99.4
IV 0	82.5	91.9	94.6	95.3	97.2	97.4	97.8	97.9	98.1	98.6	98.6	99.1	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 988

DATA PROCESSING BRANCH
AF STAC
AF WEATHER SERVICE/AMC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS, LT

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	57.4	61.1	61.5	61.6	61.8	61.8	61.9	62.0	62.0	62.4	62.4	62.4	62.5	62.7	62.9	62.9
≥ 20000	58.2	62.1	62.5	62.6	62.8	62.8	62.9	63.0	63.0	63.5	63.5	63.5	63.6	63.8	64.0	64.0
≥ 18000	58.2	62.1	62.5	62.6	62.8	62.8	62.9	63.0	63.0	63.5	63.5	63.5	63.6	63.8	64.0	64.0
≥ 16000	58.2	62.1	62.5	62.6	62.8	62.8	62.9	63.0	63.0	63.5	63.5	63.5	63.6	63.8	64.0	64.0
≥ 14000	58.2	62.1	62.5	62.6	62.8	62.8	62.9	63.0	63.0	63.5	63.5	63.5	63.6	63.8	64.0	64.0
≥ 12000	58.2	62.1	62.5	62.6	62.8	62.8	62.9	63.0	63.0	63.5	63.5	63.5	63.6	63.8	64.0	64.0
≥ 10000	62.8	65.7	67.1	67.2	67.4	67.4	67.5	67.6	67.6	68.1	68.1	68.1	68.3	68.5	68.7	68.7
≥ 9000	62.9	66.8	67.2	67.3	67.5	67.5	67.6	67.7	67.7	68.3	68.3	68.3	68.4	68.6	68.8	68.8
≥ 8000	64.8	68.5	69.2	69.3	69.5	69.5	69.6	69.7	69.7	70.3	70.3	70.3	70.4	70.6	70.9	70.9
≥ 7000	65.8	70.2	70.6	70.7	70.9	70.9	71.0	71.1	71.1	71.7	71.7	71.7	71.8	72.0	72.2	72.2
≥ 6000	65.1	70.7	71.1	71.2	71.4	71.4	71.5	71.6	71.6	72.2	72.2	72.2	72.3	72.5	72.7	72.7
≥ 5000	67.3	71.5	72.2	72.3	72.5	72.5	72.6	72.7	72.7	73.3	73.3	73.3	73.4	73.6	73.8	73.8
≥ 4500	67.8	72.7	73.1	73.2	73.4	73.4	73.5	73.6	73.6	74.2	74.2	74.2	74.3	74.5	74.7	74.7
≥ 4000	69.5	75.3	75.9	76.0	76.6	76.6	76.7	76.8	76.8	77.5	77.5	77.5	77.6	77.8	78.0	78.0
≥ 3500	70.3	76.2	76.9	77.0	77.7	77.7	77.8	77.9	77.9	78.5	78.5	78.5	78.6	78.8	79.0	79.0
≥ 3000	71.1	77.4	78.2	78.3	78.9	78.9	79.0	79.1	79.1	79.7	79.7	79.7	79.8	80.0	80.2	80.2
≥ 2500	71.5	78.2	79.0	79.1	79.7	79.7	79.8	79.9	79.9	80.5	80.5	80.5	80.6	80.8	81.0	81.0
≥ 2000	75.2	82.3	83.1	83.2	83.8	83.8	83.9	84.0	84.0	84.6	84.6	84.6	84.7	84.9	85.1	85.1
≥ 1800	75.8	83.0	83.8	84.0	84.6	84.6	84.7	84.8	84.8	85.4	85.4	85.4	85.5	85.7	85.9	85.9
≥ 1500	76.2	84.4	85.4	85.6	86.2	86.2	86.3	86.7	86.7	87.3	87.3	87.3	87.4	87.6	87.8	87.8
≥ 1200	77.5	86.1	87.6	88.0	88.6	88.6	88.8	89.1	89.1	89.7	89.7	89.7	89.8	90.0	90.2	90.2
≥ 1000	78.0	87.0	88.5	89.0	90.0	90.1	90.3	90.6	90.6	91.3	91.3	91.3	91.4	91.6	91.8	91.8
≥ 900	78.1	87.3	89.1	89.6	90.7	90.9	91.2	91.5	91.5	92.2	92.2	92.2	92.3	92.5	92.7	92.7
≥ 800	78.6	88.4	90.6	91.2	92.7	92.9	93.3	93.6	93.6	94.3	94.3	94.3	94.4	94.6	94.8	94.8
≥ 700	78.6	88.5	90.7	91.4	93.0	93.2	93.7	94.0	94.0	94.7	94.7	94.7	94.8	95.0	95.2	95.2
≥ 600	78.8	88.9	91.3	92.1	93.9	94.1	94.6	94.9	95.0	95.9	95.9	95.9	96.0	96.2	96.4	96.4
≥ 500	78.8	89.0	91.8	92.9	95.0	95.3	95.1	96.4	96.5	97.3	97.4	97.4	97.5	97.7	97.9	97.9
≥ 400	78.8	89.3	92.1	93.3	95.7	96.1	96.8	97.3	97.4	98.2	98.3	98.3	98.4	98.6	98.8	98.8
≥ 300	78.8	89.3	92.1	93.3	95.7	96.1	96.8	97.3	97.4	98.2	98.3	98.3	98.4	98.6	98.8	98.8
≥ 200	78.8	89.3	92.1	93.3	95.7	96.1	96.8	97.3	97.4	98.2	98.3	98.3	98.4	98.6	98.8	98.8
≥ 100	78.8	89.3	92.1	93.3	95.7	96.1	96.8	97.3	97.4	98.2	98.3	98.3	98.4	98.6	98.8	98.8
≥ 0	78.8	89.3	92.1	93.3	95.7	96.1	96.8	97.3	97.4	98.2	98.3	98.3	98.4	98.6	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 989

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS

STATION NAME

65-70,74-78

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-2400
HOURS, EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING ≥ 20000	50.7	54.6	56.7	56.9	57.7	58.0	58.2	58.2	58.7	58.3	58.5	58.5	58.6	58.7	59.1	59.7
IV 18000	52.3	55.5	58.7	59.3	59.8	60.1	60.5	60.5	60.5	60.6	60.6	60.6	60.8	60.9	61.0	61.4
IV 16000	52.3	55.5	58.3	59.3	58.8	61.1	60.5	60.5	60.5	60.6	60.6	60.8	60.9	61.0	61.4	62.0
IV 14000	52.3	55.5	58.3	59.0	59.8	60.1	60.5	60.5	60.5	60.6	60.6	60.8	60.9	61.0	61.4	62.0
IV 12000	53.4	57.7	59.5	60.2	61.0	61.3	61.7	61.7	61.7	61.8	62.0	62.0	62.1	62.2	62.6	63.2
IV 10000	57.0	61.7	63.6	64.3	65.2	65.5	65.9	65.9	65.9	66.1	66.3	66.3	66.4	66.5	66.9	67.5
IV 9000	57.3	62.0	63.9	64.6	65.5	65.8	66.2	66.2	66.2	66.4	66.6	66.6	66.6	66.7	67.2	67.8
IV 8000	59.3	64.8	66.8	67.5	68.4	68.7	69.1	69.1	69.1	69.3	69.5	69.5	69.6	69.7	70.1	70.7
IV 7000	59.9	65.2	67.1	68.8	69.7	70.3	70.4	70.4	70.4	70.6	70.8	70.8	70.9	71.0	71.4	72.0
IV 6000	61.5	67.0	69.0	69.7	70.6	71.0	71.4	71.5	71.5	71.7	71.9	71.9	72.0	72.1	72.5	73.1
IV 5000	62.2	67.9	70.0	70.7	71.6	72.0	72.4	72.5	72.5	72.7	72.9	72.9	73.0	73.1	73.5	74.1
IV 4500	62.8	69.5	70.4	71.3	72.2	72.6	73.0	73.1	73.1	73.3	73.5	73.5	73.6	73.7	74.1	74.7
IV 4000	64.4	70.4	72.7	73.4	74.4	75.1	75.5	75.6	75.6	75.8	76.0	76.0	76.1	76.2	76.6	77.2
IV 3500	65.3	71.4	73.7	74.4	75.5	76.2	76.6	76.7	76.7	76.9	77.1	77.1	77.2	77.3	77.7	78.3
IV 3000	66.4	73.0	75.4	76.3	77.3	78.0	78.4	78.5	78.5	78.7	78.9	78.9	79.0	79.1	79.5	80.1
IV 2500	67.4	74.0	76.4	77.3	78.3	79.0	79.4	79.5	79.5	79.7	79.9	79.9	80.0	80.1	80.5	81.1
IV 2000	69.0	76.5	78.8	79.7	80.8	81.5	81.9	82.0	82.0	82.2	82.4	82.4	82.6	82.7	83.1	83.7
IV 1800	69.6	77.5	80.0	80.9	82.1	82.8	83.3	83.4	83.4	83.6	83.8	83.8	84.0	84.1	84.5	85.2
IV 1500	70.7	78.3	80.8	81.7	83.0	83.7	84.3	84.4	84.4	84.6	84.8	84.8	85.1	85.2	85.6	86.2
IV 1200	71.7	79.9	82.8	83.7	85.2	85.9	86.5	86.7	86.8	87.0	87.2	87.2	87.4	87.5	87.9	88.5
IV 1000	71.8	81.3	84.2	85.4	87.0	87.7	88.3	88.7	88.8	89.0	89.2	89.2	89.4	89.5	89.9	90.5
IV 900	71.4	81.9	85.1	86.4	88.1	88.8	89.4	89.8	89.9	90.1	90.3	90.3	90.5	90.6	91.0	91.6
IV 800	71.6	82.3	85.9	87.2	89.5	90.6	91.3	91.7	91.8	92.0	92.2	92.2	92.4	92.5	92.9	93.5
IV 700	71.7	82.4	86.1	87.5	89.9	91.0	91.8	92.2	92.3	92.5	92.7	92.7	92.9	93.0	93.4	94.0
IV 600	71.7	82.5	86.4	87.9	90.7	91.8	92.6	93.1	93.2	93.4	93.6	93.6	93.8	93.9	94.3	95.1
IV 500	71.7	82.7	85.7	88.3	91.3	92.3	93.7	94.7	94.8	95.1	95.4	95.4	95.6	95.7	96.1	96.8
IV 400	71.7	82.8	86.8	88.4	91.5	93.0	94.2	95.4	95.5	95.9	96.2	96.3	96.5	96.6	97.0	97.7
IV 300	71.7	82.8	86.8	88.4	91.5	93.0	94.2	95.5	95.8	96.5	96.9	97.0	97.3	97.4	97.9	98.6
IV 200	71.7	82.8	86.8	88.4	91.5	93.0	94.3	95.6	96.0	96.7	97.1	97.2	97.7	97.8	98.5	99.3
IV 100	71.7	82.8	86.8	88.4	91.5	93.0	94.3	95.7	96.1	96.8	97.2	97.3	97.8	97.9	98.6	99.5
IV 0	71.7	82.8	86.8	88.4	91.5	93.0	94.3	95.7	96.1	96.8	97.2	97.3	97.8	97.9	98.8	99.0

TOTAL NUMBER OF OBSERVATIONS 990

DATA PROCESSING BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17 47
STATION

MARSHALL AAF KS
STATION NAME

55-73.74-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

922-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05	≥.01
NO CEILING	1.3	54.7	55.6	55.9	56.2	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	54.3	55.6	59.4	59.7	60.1	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 18000	54.5	58.6	59.4	59.7	60.1	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 16000	54.5	58.6	59.4	59.7	60.1	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 14000	54.7	58.8	59.6	59.9	60.3	60.6	60.7	60.7	60.7	60.7	60.8	60.8	60.8	61.0	61.0	61.0
IV 12000	55.6	59.8	60.8	61.1	61.5	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.2	62.2	62.2
IV 10000	60.3	65.4	66.4	66.7	67.1	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.8	67.8	67.8
IV 9000	61.0	65.9	66.9	67.2	67.6	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.3	68.3	68.3
IV 8000	63.3	68.6	69.7	70.0	70.4	70.7	70.8	70.8	70.8	70.9	70.9	70.9	71.1	71.1	71.1	71.1
IV 7000	63.6	69.3	70.5	70.8	71.2	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.9	71.9	71.9	71.9
IV 6000	64.1	70.3	71.2	71.5	72.0	72.4	72.5	72.5	72.5	72.6	72.7	72.7	72.9	72.9	72.9	72.9
IV 5000	64.4	71.3	72.2	72.5	73.0	73.4	73.5	73.5	73.5	73.6	73.7	73.7	73.9	73.9	73.9	73.9
IV 4500	64.5	71.2	72.4	72.6	73.3	73.7	73.8	73.8	73.8	73.9	74.0	74.0	74.2	74.2	74.2	74.2
IV 4000	65.3	72.4	73.7	74.1	74.6	75.2	75.3	75.3	75.3	75.4	75.5	75.5	75.7	75.7	75.7	75.7
IV 3500	65.4	72.5	73.3	74.2	74.7	75.3	75.4	75.4	75.4	75.5	75.6	75.6	75.8	75.8	75.8	75.8
IV 3000	66.4	73.9	75.3	75.6	76.3	76.8	76.9	76.9	76.9	77.0	77.1	77.1	77.3	77.3	77.3	77.3
IV 2500	67.6	75.1	76.5	77.0	77.5	78.0	78.1	78.1	78.1	78.2	78.3	78.3	78.5	78.5	78.5	78.5
IV 2000	69.8	79.1	80.9	81.4	82.0	82.5	82.8	82.8	82.8	82.9	83.0	83.0	83.2	83.2	83.2	83.2
IV 1800	70.2	79.9	81.8	82.4	83.1	83.6	83.9	83.9	83.9	84.0	84.1	84.1	84.3	84.3	84.3	84.3
IV 1500	71.2	82.4	84.7	85.5	86.2	86.6	87.1	87.1	87.1	87.2	87.3	87.3	87.5	87.5	87.5	87.5
IV 1200	72.5	84.1	86.7	87.8	88.5	89.2	89.8	89.9	89.9	90.0	90.1	90.1	90.3	90.3	90.3	90.3
IV 1000	73.1	85.4	88.2	89.5	90.4	91.1	91.8	91.9	91.9	92.0	92.1	92.1	92.3	92.3	92.3	92.3
IV 900	73.1	85.9	89.4	90.6	91.5	92.2	93.1	93.3	93.3	93.4	93.5	93.5	93.7	93.7	93.7	93.7
IV 800	73.1	86.1	89.4	91.1	91.9	92.8	94.3	94.5	94.5	94.8	94.9	94.9	95.2	95.2	95.2	95.2
IV 700	73.1	86.1	89.4	91.1	92.2	93.2	95.1	95.4	95.4	95.7	95.9	95.9	96.3	96.3	96.3	96.3
IV 600	73.1	86.1	89.4	91.2	92.6	93.7	95.9	96.5	96.5	96.8	97.0	97.0	97.4	97.4	97.4	97.4
IV 500	73.1	86.1	89.5	91.2	92.6	93.7	96.3	97.1	97.1	97.4	97.6	97.6	98.1	98.1	98.1	98.1
IV 400	73.1	86.1	89.5	91.2	92.6	93.7	96.3	97.2	97.3	97.4	97.6	97.6	98.1	98.1	98.1	98.1
IV 300	73.1	86.1	89.5	91.2	92.6	93.7	96.3	97.2	97.4	98.2	98.4	98.5	99.2	99.2	99.2	99.2
IV 200	73.1	86.1	89.5	91.2	92.6	93.7	96.3	97.2	97.4	98.2	98.5	98.6	99.3	99.4	99.4	99.4
IV 100	73.1	86.1	89.5	91.2	92.6	93.7	96.3	97.2	97.4	98.2	98.5	98.6	99.3	99.4	99.5	99.5
IV 0	73.1	86.1	89.5	91.2	92.6	93.7	96.3	97.2	97.4	98.2	98.5	98.6	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 990

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS
STATION NAME

66-73, 74-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1733-1405
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	54.7	56.5	55.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	52.3	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	52.3	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	50.3	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	59.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 12000	50.4	52.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 10000	64.7	67.2	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 9000	55.3	67.8	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	67.1	70.2	70.4	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 7000	67.7	70.2	71.2	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 6000	68.5	71.5	71.9	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	68.7	71.9	72.3	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	68.9	71.9	72.3	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 4000	71.2	74.3	74.7	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	71.9	75.3	75.4	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	73.2	76.9	77.2	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	75.2	79.3	80.0	80.3	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2000	78.4	83.7	84.6	85.1	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	79.3	84.5	85.5	86.1	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500	80.6	87.2	88.2	88.9	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1200	81.8	89.2	90.7	91.6	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1000	82.2	90.7	91.4	92.8	93.7	94.0	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900	82.2	90.4	92.7	93.8	94.8	95.2	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	82.3	90.6	93.0	94.2	95.8	95.3	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	82.3	90.6	93.0	94.3	96.1	96.7	97.6	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	82.3	90.6	93.0	94.3	96.1	96.8	98.2	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	82.3	90.6	93.0	94.3	96.1	96.8	98.3	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	82.3	90.6	93.0	94.3	96.1	96.8	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	82.3	90.6	93.0	94.3	96.1	96.8	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	82.3	90.6	93.0	94.3	96.1	96.8	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	82.3	90.6	93.0	94.3	96.1	96.8	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	82.3	90.6	93.0	94.3	96.1	96.8	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 989

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

17047
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-75
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS, LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	55.7	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	62.4	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 18000	62.4	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 16000	62.4	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 14000	61.8	62.5	62.7	62.7	62.8	62.9	62.8	62.9	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 12000	62.7	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 10000	67.7	68.5	68.7	68.7	68.8	68.9	68.8	68.9	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 9000	67.4	68.9	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 8000	70.7	72.4	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	71.1	72.9	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 6000	71.9	73.7	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 5000	72.8	74.5	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4500	72.8	74.6	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4000	74.1	76.3	76.5	76.7	76.8	76.8	76.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3500	74.9	77.2	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	76.4	79.5	79.8	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500	78.7	82.1	82.4	82.7	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2000	80.7	83.2	83.5	83.8	84.0	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1800	82.7	85.3	85.5	85.8	86.1	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1500	82.7	86.5	87.7	88.3	89.2	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1200	82.7	85.3	87.4	91.4	91.8	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1000	82.9	88.3	90.1	91.5	92.4	93.9	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	82.9	88.5	90.9	92.3	94.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 800	82.9	89.0	91.5	93.2	95.5	96.7	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	82.9	89.0	91.5	93.2	95.5	96.7	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 600	82.9	89.2	92.0	93.5	95.9	97.2	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	82.9	89.2	92.0	93.5	96.1	97.5	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	82.9	89.2	92.0	93.5	96.1	97.5	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	82.9	89.2	92.0	93.5	96.1	97.5	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	82.9	89.2	92.0	93.5	96.1	97.5	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	82.9	89.2	92.0	93.5	96.1	97.5	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	82.9	89.2	92.0	93.5	96.1	97.5	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 999

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1047

MARSHALL AAF MS

STATION NAME

65-73, 74-76

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 20000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 16000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 10000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 9000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 8000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 7000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 6000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 5000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 900	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 489

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
 AFM ETAC
 AIR WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

13 47
 STATION

MARSHALL AAF MS
 STATION NAME

65-70,74-75
 YEARS

1964
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2100
 LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥.005	≥.001
NO CEILING	61.7	63.9	63.9	64.3	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 20000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 18000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 16000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 14000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 12000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 10000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 9000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 8000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 7000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 6000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 5000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 4500	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 4000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 3500	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 3000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 2500	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 2000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 1800	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 1500	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 1200	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 1000	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 900	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 800	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 700	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 600	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 500	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 400	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 300	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 200	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 100	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 0	66.3	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4

TOTAL NUMBER OF OBSERVATIONS 990

DATA PROCESSING BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1947
STATION

MARSHALL AAF MS
STATION NAME

55-70,74-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	56.5	59.3	59.7	59.9	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000	59.4	62.5	63.0	63.2	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000	59.4	62.5	63.0	63.2	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000	59.4	62.5	63.0	63.2	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000	60.1	62.8	63.3	63.4	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	61.4	64.2	64.6	64.8	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	65.1	68.1	68.6	68.8	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 9000	65.3	68.4	68.9	69.1	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 8000	67.4	70.4	71.3	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	68.1	71.6	72.2	72.4	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000	68.8	72.5	73.1	73.3	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000	69.5	73.4	74.0	74.2	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500	69.9	73.8	74.4	74.7	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4000	71.5	76.7	76.9	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 3500	72.5	76.9	77.5	77.9	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000	73.6	78.4	79.2	79.5	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 2500	74.8	79.9	80.7	81.1	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2000	77.1	83.1	84.7	84.9	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1800	77.4	83.7	84.7	85.2	85.8	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1500	78.3	85.3	86.5	87.1	87.8	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1200	79.3	86.9	88.5	89.3	90.1	90.5	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1000	79.8	87.9	89.8	90.8	91.8	92.2	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 900	79.8	88.7	90.4	91.5	92.7	93.1	93.5	93.8	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1
≥ 800	81.1	88.9	91.2	92.4	93.8	94.4	95.0	95.3	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	81.1	89.5	91.5	92.7	94.4	95.1	95.8	96.1	96.1	96.4	96.5	96.6	96.7	96.8	96.8	96.8
≥ 600	82.1	89.2	91.9	93.2	95.0	95.7	96.6	97.3	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	82.1	89.3	92.8	93.4	95.3	96.1	97.2	97.7	97.8	98.1	98.3	98.4	98.6	98.6	98.7	98.8
≥ 400	80.1	89.3	92.1	93.5	95.4	96.3	97.4	98.3	98.1	98.5	98.7	98.8	99.0	99.0	99.1	99.2
≥ 300	80.1	89.3	92.1	93.5	95.4	96.3	97.5	98.4	98.2	98.7	98.9	99.0	99.2	99.3	99.4	99.5
≥ 200	82.1	89.3	92.1	93.5	95.4	96.3	97.5	98.1	98.3	98.7	99.0	99.0	99.3	99.4	99.5	99.6
≥ 100	83.1	89.3	92.1	93.5	95.4	96.3	97.5	98.1	98.3	98.7	99.0	99.1	99.4	99.4	99.6	99.8
≥ 0	80.1	89.3	92.1	93.5	95.4	96.3	97.5	98.1	98.3	98.7	99.0	99.1	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7915

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF KS

STATION NAME

65-77,74-78

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0000
HOURS-1ST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	64.4	64.3	64.4	64.5	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 20000	64.1	66.1	66.2	66.3	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	64.1	66.1	66.2	66.3	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	64.1	66.1	66.2	66.3	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	64.2	66.2	66.3	66.4	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 12000	65.2	67.2	67.1	67.2	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 10000	67.4	69.3	69.4	69.5	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 9000	67.4	69.4	69.5	69.6	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	69.6	70.9	70.9	71.0	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 7000	70.3	72.3	72.4	72.5	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 6000	70.5	73.3	73.1	73.2	73.4	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	71.5	74.5	74.1	74.2	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500	72.3	74.6	74.7	74.8	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	73.3	76.3	76.4	76.5	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500	74.1	76.5	76.7	76.9	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	74.7	77.6	77.7	77.9	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2500	75.4	79.5	79.1	79.3	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2000	77.7	82.1	82.4	82.6	82.9	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1800	79.1	84.7	84.4	84.6	84.8	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1500	80.3	84.9	85.4	85.7	86.0	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	81.6	87.1	87.5	87.9	88.2	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1000	82.5	88.5	89.1	89.8	90.3	90.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900	82.9	89.3	89.9	90.8	91.4	91.6	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 800	83.1	89.9	90.9	91.8	92.5	92.7	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 700	83.1	90.2	91.5	92.5	93.5	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	83.2	90.5	92.0	93.2	94.2	94.8	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500	83.2	90.8	92.4	93.6	95.0	95.6	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	83.2	90.9	92.6	93.9	95.4	96.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	83.2	90.9	92.6	93.9	95.4	96.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	83.2	90.9	92.6	93.9	95.4	96.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	83.2	90.9	92.6	93.9	95.4	96.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0	83.2	90.9	92.6	93.9	95.4	96.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1747
STATION

MARSHALL AAF MS

STATION NAME

65-73.74-78

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	61.4	64.1	64.3	64.3	64.3	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.7	64.7	64.7
≥ 20000	63.6	66.4	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.0
≥ 18000	63.6	66.4	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.0
≥ 16000	63.6	66.4	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.0
≥ 14000	63.6	66.4	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.0
≥ 12000	64.2	67.0	67.2	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5
≥ 10000	66.2	69.0	69.2	69.2	69.2	69.3	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6
≥ 9000	66.3	69.1	69.3	69.3	69.3	69.4	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.7
≥ 8000	67.5	70.4	70.6	70.6	70.6	70.7	70.7	70.8	70.8	71.0	71.0	71.0	71.0	71.1	71.1	71.1
≥ 7000	69.1	71.9	72.1	72.1	72.1	72.2	72.2	72.3	72.3	72.5	72.5	72.5	72.5	72.6	72.6	72.6
≥ 6000	70.3	73.1	73.3	73.3	73.3	73.4	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8
≥ 5000	72.0	75.0	75.2	75.2	75.2	75.3	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.7	75.7	75.7
≥ 4500	72.5	75.5	75.7	75.7	75.7	75.8	75.8	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	73.0	76.1	76.2	76.2	76.2	76.3	76.3	76.4	76.4	76.6	76.6	76.6	76.6	76.7	76.7	76.7
≥ 3500	73.4	76.5	76.8	76.8	76.8	76.9	76.9	77.0	77.0	77.2	77.2	77.2	77.2	77.3	77.3	77.3
≥ 3000	74.4	77.7	78.0	78.1	78.1	78.2	78.2	78.3	78.3	78.5	78.5	78.5	78.5	78.6	78.6	78.6
≥ 2500	75.2	78.8	79.3	79.5	79.5	79.6	79.6	79.7	79.7	80.0	80.0	80.0	80.0	80.1	80.1	80.1
≥ 2000	77.2	81.2	81.8	82.0	82.1	82.2	82.3	82.5	82.5	82.9	82.9	82.9	82.9	83.0	83.0	83.0
≥ 1800	78.1	82.3	82.9	83.1	83.2	83.3	83.4	83.6	83.6	84.0	84.0	84.0	84.0	84.1	84.1	84.1
≥ 1500	79.1	83.9	84.5	84.7	84.8	84.8	84.9	85.1	85.1	85.5	85.5	85.5	85.5	85.6	85.6	85.6
≥ 1200	80.1	85.4	86.1	86.4	86.9	87.2	87.3	87.5	87.5	87.9	88.0	88.0	88.0	88.1	88.1	88.1
≥ 1000	80.7	86.8	87.7	88.3	88.9	89.2	89.3	89.5	89.5	90.0	90.1	90.1	90.1	90.2	90.2	90.2
≥ 900	81.0	87.6	88.6	89.2	89.9	90.3	90.6	90.8	90.9	91.4	91.5	91.5	91.5	91.6	91.6	91.6
≥ 800	81.6	88.5	89.9	90.6	91.3	91.7	92.0	92.2	92.3	92.5	92.9	92.9	92.9	93.0	93.0	93.0
≥ 700	81.7	89.1	90.7	91.4	92.2	92.7	93.1	93.3	93.4	93.8	93.9	93.9	93.9	94.0	94.0	94.0
≥ 600	81.7	89.6	91.3	92.3	93.5	94.1	94.5	94.7	94.8	95.3	95.4	95.4	95.4	95.5	95.5	95.5
≥ 500	81.7	89.6	91.3	92.3	93.7	94.4	95.0	95.3	95.5	96.0	96.1	96.1	96.1	96.2	96.2	96.2
≥ 400	81.7	90.3	91.8	92.8	94.4	95.1	95.7	96.1	96.3	96.8	97.0	97.1	97.1	97.2	97.2	97.2
≥ 300	81.7	90.3	91.9	92.9	94.5	95.3	95.1	96.6	96.8	97.7	97.9	97.9	97.9	98.0	98.0	98.0
≥ 200	81.7	90.3	91.9	92.9	94.5	95.3	96.3	96.8	97.0	97.8	98.1	98.2	98.5	98.7	99.0	99.1
≥ 100	81.7	90.3	91.9	92.9	94.5	95.3	96.5	97.0	97.2	98.0	98.3	98.4	98.7	98.9	99.2	99.5
≥ 0	81.7	90.3	91.9	92.9	94.5	95.3	96.5	97.0	97.2	98.0	98.3	98.4	98.7	98.9	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS

1023

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1947
STATION

MARSHALL AAF KS
STATION NAME

65-70,74-79
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-2400
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	55.4	58.6	59.1	59.3	59.5	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 20000	59.4	62.3	63.1	63.1	63.3	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000	59.4	62.3	63.1	63.1	63.3	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000	59.4	62.3	63.1	63.1	63.3	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000	59.6	62.5	63.1	63.3	63.5	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 12000	59.9	62.9	63.5	63.7	63.9	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 10000	62.7	65.8	66.7	66.9	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	63.1	66.3	67.2	67.4	67.5	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 8000	64.2	66.3	69.0	69.3	69.5	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 7000	65.9	69.1	70.1	70.4	70.6	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 6000	65.6	69.9	70.9	71.3	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	67.8	71.3	72.2	72.6	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	64.2	71.7	72.6	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4000	69.4	73.1	74.1	74.6	74.7	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3500	69.6	73.6	74.5	74.9	75.1	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	71.1	74.9	75.9	76.2	76.4	76.5	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2500	72.1	76.1	77.2	77.6	77.8	77.9	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2000	73.3	77.9	79.1	79.7	79.9	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1800	73.3	78.1	79.3	79.9	80.1	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1500	75.2	80.2	81.4	82.0	82.2	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1200	76.1	81.9	83.4	84.2	84.5	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1000	76.4	82.9	84.5	85.5	85.9	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	77.1	84.1	85.7	86.8	87.4	87.6	88.0	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	77.2	84.7	86.5	87.7	88.6	88.8	89.3	89.4	89.4	89.7	89.7	89.8	89.8	89.8	89.8	89.8
≥ 700	77.5	85.3	87.3	88.7	89.8	90.0	90.7	90.8	90.8	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 600	77.7	85.8	88.5	89.2	90.7	90.9	91.8	92.5	92.6	93.1	93.5	93.5	93.5	93.5	93.5	93.5
≥ 500	77.8	86.0	89.3	89.6	91.3	91.7	92.8	93.5	93.8	94.4	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	77.8	86.2	88.5	89.8	91.7	92.2	93.4	94.1	94.4	95.2	95.9	95.9	96.0	96.0	96.0	96.0
≥ 300	77.8	86.2	89.7	90.1	92.0	92.6	93.8	94.8	95.1	96.2	97.0	97.0	97.3	97.6	97.7	97.7
≥ 200	77.8	86.2	88.7	90.1	92.0	92.6	94.0	95.0	95.4	96.6	97.5	97.5	98.1	98.4	98.7	98.8
≥ 100	77.8	86.2	88.7	90.1	92.0	92.6	94.0	95.0	95.4	96.7	97.6	97.6	98.4	98.8	99.2	99.3
≥ 0	77.8	85.2	88.7	90.1	92.0	92.6	94.0	95.0	95.4	96.7	97.6	97.6	98.4	98.8	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1947
STATION

MARSHALL AAF KS
STATION NAME

65-70,74-79
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	52.2	54.5	54.2	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	55.4	58.6	58.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 18000	55.4	58.6	58.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	55.5	58.7	58.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 14000	55.7	58.8	58.9	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 12000	56.6	59.8	59.9	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	59.9	63.3	63.5	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	60.2	63.6	63.8	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	62.5	66.2	66.5	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	63.5	67.4	67.6	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	64.1	68.2	68.5	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 5000	65.4	69.5	69.8	70.3	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4500	65.7	69.8	70.1	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	67.3	71.6	71.9	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3500	67.1	71.7	72.1	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3000	68.2	73.0	73.4	73.9	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	69.3	74.3	74.8	75.3	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2000	71.0	76.3	76.9	77.6	78.3	78.4	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 1800	71.4	77.1	77.7	78.7	79.4	79.5	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	72.1	78.5	79.1	80.3	80.9	81.1	81.5	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1200	73.1	80.2	81.0	82.3	83.0	83.2	83.7	84.3	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1000	73.6	81.3	82.7	84.5	85.6	85.8	86.4	87.1	87.3	87.5	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	73.9	81.9	83.4	85.1	86.4	86.6	87.4	88.1	88.3	88.5	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	74.1	82.2	83.7	85.5	86.9	87.3	88.3	89.1	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700	74.2	82.5	84.0	85.8	87.5	88.3	89.5	90.3	90.5	90.7	90.9	90.9	90.9	90.9	90.9	90.9
≥ 600	74.2	82.7	84.4	86.2	88.4	89.4	91.2	92.1	92.3	92.7	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	74.2	82.7	84.4	86.4	88.6	89.1	92.4	93.5	94.2	94.9	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400	74.2	82.7	84.4	86.4	88.6	90.2	92.7	94.2	95.5	96.8	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	74.2	82.7	84.5	86.5	88.7	90.4	93.0	94.5	95.5	97.5	98.5	98.5	98.8	98.9	99.0	99.0
≥ 200	74.2	82.7	84.5	86.5	88.7	90.4	93.0	94.5	95.5	97.6	98.9	98.9	99.2	99.3	99.4	99.6
≥ 100	74.2	82.7	84.5	86.5	88.7	90.4	93.0	94.5	95.5	97.6	98.9	98.9	99.2	99.3	99.4	99.6
≥ 0	74.2	82.7	84.5	86.5	88.7	90.4	93.0	94.5	95.5	97.6	98.9	98.9	99.2	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17047
STATION

MARSHALL AAF KS
STATION NAME

55-73, 74-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	56.5	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 20000	59.2	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	59.3	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000	59.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	59.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 12000	60.7	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 10000	63.7	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000	64.0	66.0	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 8000	66.5	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	67.8	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	69.7	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	69.6	72.2	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 4500	69.9	72.5	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	70.9	73.8	74.1	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500	71.4	74.4	74.8	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	72.3	75.4	75.9	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 2500	73.5	77.0	77.5	77.8	77.9	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	75.5	79.8	80.5	80.8	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1800	77.4	82.1	82.8	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	78.1	83.7	84.6	85.3	85.4	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	79.2	85.8	87.0	87.7	88.1	88.3	88.6	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.1	89.2
≥ 1000	79.4	86.5	88.2	89.0	89.7	90.0	90.3	90.4	90.5	90.8	90.8	90.8	90.8	90.9	90.9	91.1
≥ 900	79.4	87.0	89.0	90.3	91.0	91.3	91.6	91.7	91.8	92.1	92.1	92.1	92.1	92.2	92.2	92.4
≥ 800	79.4	87.3	89.4	90.8	92.2	92.5	92.8	92.9	92.9	93.2	93.2	93.2	93.2	93.3	93.3	93.5
≥ 700	79.4	87.3	89.4	91.1	92.9	93.1	93.5	93.8	94.0	94.5	94.5	94.5	94.5	94.6	94.6	94.8
≥ 600	79.4	87.3	89.4	91.2	93.2	94.0	94.8	95.3	95.5	96.1	96.1	96.4	96.5	96.5	96.7	96.7
≥ 500	79.4	87.3	89.4	91.3	93.5	94.9	95.8	96.6	97.3	98.1	98.2	98.6	98.7	98.7	98.9	98.9
≥ 400	79.4	87.4	89.5	91.4	93.6	95.0	96.2	97.4	97.8	98.8	98.9	99.3	99.5	99.5	99.7	99.7
≥ 300	79.4	87.4	89.5	91.4	93.6	95.0	96.2	97.4	97.8	98.8	98.9	99.3	99.5	99.5	99.7	99.7
≥ 200	79.4	87.4	89.5	91.4	93.6	95.0	96.2	97.4	97.8	98.8	98.9	99.3	99.5	99.5	99.7	99.7
≥ 100	79.4	87.4	89.5	91.4	93.6	95.0	96.2	97.4	97.8	98.8	98.9	99.3	99.5	99.5	99.7	99.7
≥ 0	79.4	87.4	89.5	91.4	93.6	95.0	96.2	97.4	97.8	98.8	98.9	99.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1021

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13447
STATION

MARSHALL AAF KS
STATION NAME

65-70,74-76
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	61.4	61.9	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 18000	60.5	62.0	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	60.8	62.3	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000	61.1	62.6	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 12000	62.3	63.7	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 10000	66.8	68.2	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 9000	67.2	68.6	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 8000	69.3	70.9	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	71.1	72.7	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 6000	71.7	73.3	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 5000	72.5	74.3	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 4500	72.7	74.6	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4000	73.7	75.9	76.1	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3500	74.1	76.2	76.4	76.8	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	75.2	78.0	78.2	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 2500	76.2	79.5	79.9	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 2000	78.6	82.4	82.9	83.4	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 1800	79.2	83.9	84.6	85.1	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 1500	80.2	85.8	86.6	87.2	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1200	80.6	87.2	88.6	89.2	89.6	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1000	80.6	87.5	89.4	90.5	91.2	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 900	80.6	87.7	89.6	90.8	91.6	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	80.7	88.1	90.0	91.2	92.1	92.8	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 700	80.8	88.5	90.5	91.8	93.2	93.9	94.8	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	80.8	88.6	90.6	92.0	93.5	94.4	95.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 500	80.9	89.6	90.6	92.2	93.8	94.9	96.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	80.9	88.6	90.6	92.2	93.8	94.9	96.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 300	80.9	89.6	90.6	92.2	93.8	94.9	96.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	80.9	88.6	90.6	92.2	93.8	94.9	96.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	80.9	88.6	90.6	92.2	93.8	94.9	96.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	80.9	88.6	90.6	92.2	93.8	94.9	96.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13 47
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 0-2000
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	61.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	62.3	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
W 18000	62.4	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
W 16000	62.5	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
W 14000	63.0	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
W 12000	63.9	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
W 10000	67.4	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
W 9000	67.4	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
W 8000	69.4	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
W 7000	70.1	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
W 6000	70.8	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
W 5000	71.4	74.3	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
W 4500	72.1	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
W 4000	73.3	76.0	76.7	76.8	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
W 3500	73.3	76.6	76.7	76.8	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
W 3000	75.3	79.2	79.4	79.5	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
W 2500	76.1	80.8	81.0	81.1	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
W 2000	77.2	82.6	83.1	83.2	83.7	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
W 1800	78.1	84.1	84.6	84.8	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
W 1500	79.2	86.2	87.1	87.5	88.0	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
W 1200	79.9	87.9	89.1	89.4	89.9	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
W 1000	80.2	89.0	90.3	90.9	91.7	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
W 900	80.2	89.2	90.9	91.5	92.4	92.7	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
W 800	80.2	89.4	91.2	91.9	92.9	93.4	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
W 700	80.2	89.7	91.9	92.9	94.1	94.8	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
W 600	80.2	90.1	92.3	93.5	94.8	95.6	96.3	96.5	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
W 500	80.2	90.2	92.4	93.5	95.1	95.9	96.6	96.8	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5
W 400	80.2	90.3	92.6	93.7	95.3	96.2	97.1	97.3	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0
W 300	80.2	90.3	92.6	93.7	95.3	96.2	97.1	97.5	97.9	98.3	98.5	98.7	98.9	99.2	99.2	99.2
W 200	80.2	90.3	92.6	93.7	95.3	96.2	97.1	97.5	97.9	98.3	98.6	98.8	99.0	99.3	99.3	99.4
W 100	80.2	90.3	92.6	93.7	95.3	96.2	97.1	97.5	97.9	98.3	98.6	98.8	99.0	99.3	99.3	99.4
W 0	80.2	90.3	92.6	93.7	95.3	96.2	97.1	97.5	97.9	98.3	98.6	98.8	99.0	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS

STATION NAME

65-70,74-78

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2300
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	61.7	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	63.5	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	63.5	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 16000	63.5	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	63.5	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 12000	64.8	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	67.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	67.8	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 8000	69.1	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 7000	69.4	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 6000	71.4	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000	71.1	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4500	71.7	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4000	74.3	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3500	74.5	77.6	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	75.0	79.4	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	76.9	81.0	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	78.2	83.3	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	78.7	84.5	84.8	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	79.3	85.8	86.4	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1200	80.6	87.5	88.3	88.6	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1000	80.7	88.8	89.1	89.8	91.1	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 900	80.8	89.7	91.2	91.9	92.3	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 800	81.7	90.2	91.9	92.9	93.3	93.4	93.7	93.8	93.8	93.8	93.9	94.1	94.1	94.2	94.2	94.2
≥ 700	81.1	90.4	92.4	93.6	94.4	94.6	95.3	95.4	95.4	95.5	95.7	95.7	95.8	95.8	95.8	95.8
≥ 600	81.1	90.8	92.9	94.2	95.1	95.3	96.2	96.3	96.4	96.5	96.7	96.7	96.8	96.8	96.8	96.8
≥ 500	81.1	90.9	93.1	94.4	95.6	95.8	96.7	97.0	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8
≥ 400	81.1	90.9	93.1	94.5	95.7	96.0	96.9	97.6	97.9	98.1	98.4	98.4	98.5	98.5	98.5	98.5
≥ 300	81.1	90.9	93.1	94.5	95.8	96.1	97.1	97.8	98.2	98.4	98.8	98.8	99.0	99.0	99.0	99.0
≥ 200	81.1	90.9	93.1	94.5	95.8	96.1	97.1	97.8	98.2	98.6	99.0	99.0	99.3	99.3	99.4	99.5
≥ 100	81.1	90.9	93.1	94.5	95.8	96.1	97.1	97.8	98.2	98.6	99.0	99.0	99.3	99.3	99.4	99.5
≥ 0	81.1	90.9	93.1	94.5	95.8	96.1	97.1	97.8	98.2	98.6	99.0	99.0	99.4	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1623

DATA PROCESSING BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS

STATION NAME

65-70, 74-78

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	54.6	60.6	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	61.1	63.3	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	61.1	63.3	63.5	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	61.2	63.4	63.6	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	61.4	63.5	63.8	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	62.2	64.5	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	65.2	67.5	67.8	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000	65.4	67.8	68.0	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 8000	67.2	69.7	70.0	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 7000	68.4	71.0	71.3	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	69.2	71.6	72.1	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 5000	70.2	73.0	73.3	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4500	70.6	73.4	73.7	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	71.7	75.1	75.4	75.6	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	72.2	75.4	75.7	76.0	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3000	73.4	76.9	77.2	77.5	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 2500	74.3	78.3	78.7	79.0	79.2	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2000	76.2	80.7	81.3	81.6	81.9	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1800	76.9	82.0	82.6	83.0	83.3	83.4	83.6	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1500	77.3	83.6	84.4	84.9	85.2	85.3	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	78.7	85.4	86.4	87.0	87.4	87.6	87.9	88.0	88.0	88.2	88.2	88.2	88.3	88.3	88.3	88.3
≥ 1000	79.3	86.4	87.8	88.7	89.3	89.6	89.9	90.1	90.1	90.3	90.4	90.4	90.5	90.5	90.5	90.5
≥ 900	79.9	87.1	88.5	89.6	90.3	90.6	91.0	91.2	91.3	91.5	91.6	91.6	91.7	91.7	91.7	91.7
≥ 800	79.7	87.5	89.2	90.3	91.2	91.5	92.1	92.3	92.4	92.7	92.9	92.8	92.9	92.9	92.9	92.9
≥ 700	79.6	87.9	89.7	91.1	92.2	92.7	93.4	93.7	93.9	94.1	94.3	94.3	94.4	94.4	94.4	94.4
≥ 600	79.8	88.2	90.1	91.0	92.9	93.6	94.5	95.0	95.1	95.5	95.6	95.7	95.8	95.8	95.9	95.9
≥ 500	79.8	88.3	90.2	91.7	93.3	94.2	95.2	95.9	96.2	96.6	96.9	97.0	97.1	97.1	97.1	97.1
≥ 400	79.8	88.4	90.4	91.8	93.6	94.5	95.7	96.5	96.8	97.4	97.9	97.9	98.0	98.0	98.1	98.1
≥ 300	79.9	88.4	90.4	91.9	93.6	94.6	95.9	96.7	97.1	98.1	98.4	98.5	98.6	98.6	98.9	98.9
≥ 200	79.9	88.4	90.4	91.9	93.6	94.6	95.9	96.8	97.2	98.1	98.6	98.7	99.1	99.2	99.4	99.5
≥ 100	79.9	88.4	90.4	91.9	93.6	94.6	95.9	96.8	97.2	98.1	98.6	98.7	99.2	99.3	99.5	99.6
≥ 0	79.8	88.4	90.4	91.9	93.6	94.6	95.9	96.8	97.2	98.1	98.6	98.7	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 5182

DATA PROCESSING BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-47
STATION

MARSHALL AAF KS

STATION NAME

65-71,74-79

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	68.4	61.9	62.4	62.7	62.9	63.0	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3
≥ 20000	61.2	65.5	66.4	66.7	67.0	67.0	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.4
≥ 18000	62.3	65.9	66.5	66.7	67.0	67.1	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.4	67.4
≥ 16000	62.3	65.9	66.5	66.7	67.0	67.1	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.4	67.4
≥ 14000	62.3	66.1	66.7	67.0	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.7
≥ 12000	63.3	67.0	67.5	67.9	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.6
≥ 10000	66.1	70.5	71.1	71.4	71.7	71.8	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.1	72.1
≥ 9000	66.4	70.9	71.4	71.7	72.0	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.5
≥ 8000	66.8	73.7	74.4	74.7	75.0	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5
≥ 7000	66.9	74.9	75.7	76.0	76.3	76.4	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.8	76.8
≥ 6000	70.3	75.1	76.6	77.2	77.5	77.6	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0
≥ 5000	72.2	77.7	78.5	78.9	79.3	79.4	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.8	79.8
≥ 4500	72.5	78.2	79.3	79.3	79.8	79.8	80.0	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.3
≥ 4000	74.5	80.4	81.4	82.2	82.7	82.8	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.3	83.3
≥ 3500	75.2	81.8	82.4	83.2	83.7	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.3
≥ 3000	76.4	83.6	84.7	85.1	85.7	85.8	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.3
≥ 2500	77.2	84.7	85.9	86.4	87.0	87.1	87.3	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.7	87.7
≥ 2000	78.4	86.6	87.9	88.5	89.1	89.3	89.5	89.6	89.6	89.7	89.8	89.8	89.8	89.9	89.9	89.9
IV 1800	78.4	87.2	88.5	89.2	89.9	90.1	90.3	90.4	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.7
IV 1500	79.3	88.3	89.4	90.5	91.3	91.5	91.7	91.8	91.8	91.9	92.0	92.0	92.0	92.1	92.1	92.2
IV 1200	79.9	89.4	91.1	91.9	92.8	93.0	93.4	93.5	93.5	93.6	93.7	93.7	93.7	93.7	93.8	93.8
IV 1000	80.1	90.3	91.9	92.9	94.0	94.2	94.6	94.7	94.8	94.9	95.0	95.0	95.0	95.0	95.1	95.1
IV 900	80.2	91.4	92.4	93.4	94.6	94.9	95.3	95.5	95.5	95.5	95.7	95.7	95.7	95.8	95.8	95.9
IV 800	80.3	92.7	92.8	93.9	95.2	95.5	96.0	96.2	96.2	96.4	96.5	96.5	96.6	96.6	96.6	96.7
IV 700	80.3	91.5	93.3	94.3	95.6	96.0	96.5	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.4	97.4
IV 600	80.4	91.3	93.2	94.5	96.0	96.5	97.2	97.5	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.1
IV 500	80.4	91.3	93.4	94.7	96.3	96.8	97.6	98.0	98.1	98.4	98.5	98.5	98.7	98.7	98.7	98.8
IV 400	80.4	91.1	93.4	94.8	96.4	96.9	97.8	98.2	98.4	98.7	98.9	99.0	99.1	99.1	99.2	99.2
IV 300	80.4	91.1	93.4	94.8	96.5	97.0	97.8	98.3	98.5	98.9	99.1	99.2	99.3	99.4	99.5	99.5
IV 200	80.4	91.1	93.4	94.8	96.5	97.0	97.9	98.3	98.5	98.9	99.2	99.3	99.5	99.5	99.7	99.8
IV 100	80.4	91.1	93.4	94.8	96.5	97.0	97.9	98.4	98.5	98.9	99.2	99.3	99.5	99.6	99.7	99.9
IV 0	80.4	91.1	93.4	94.8	96.5	97.0	97.9	98.4	98.5	98.9	99.2	99.3	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 96234

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

SKY COVER

13947 MARSHALL AAF KS

66-71, 75-79

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1
3DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

13947 MARSHALL AAF KS

66-71,75-79

FEE

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEE	00-02	36.6			17.5						11.7	34.1	5.0	929
	03-05	36.5			17.9						9.3	36.4	5.0	927
	06-08	24.9			26.4						11.6	37.1	5.5	928
	09-11	19.8			21.7						14.9	43.5	6.4	930
	12-14	19.1			24.9						18.6	38.4	6.3	930
	15-17	17.2			25.6						19.2	38.0	6.3	929
	18-20	23.1			24.8						16.3	35.7	5.8	930
	21-23	34.1			18.9						12.6	34.5	5.1	928
TOTALS		26.3			22.2						14.3	37.2	5.7	7431

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

13947 MARSHALL AAF KS

66-71, 75-79

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

USAFETACFORM
11-64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

13947 MARSHALL AAF KS

66-71, 75-79

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

SKY COVER

13947 MARSHALL AAF KS

66-71, 75-79

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	37.5			19.0						10.8	32.7	4.8	1016
	03-05	27.5			24.2						13.5	34.8	5.4	1015
	06-08	16.7			25.1						20.4	37.8	6.4	1020
	09-11	14.5			26.8						24.3	34.4	6.4	1023
	12-14	11.2			28.8						31.8	28.2	6.5	1023
	15-17	11.0			32.5						28.6	27.9	6.3	1021
	18-20	16.4			32.9						23.8	26.9	5.8	1019
	21-23	32.0			25.0						13.7	29.3	4.9	1020
TOTALS		20.9			26.8						20.9	31.5	5.8	8157

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

13947 MARSHALL AAF KS

66-71,75-79

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	34.1			25.1						13.4	27.4	4.7	990
	03-05	26.6			27.7						17.9	27.9	5.2	990
	06-08	14.9			30.2						26.9	28.0	6.1	988
	09-11	18.0			28.3						27.9	25.7	5.9	988
	12-14	12.6			35.8						30.6	21.1	5.9	988
	15-17	11.7			42.0						30.5	15.8	5.6	988
	18-20	14.4			41.1						26.3	18.2	5.4	984
	21-23	26.0			31.3						17.3	25.4	5.0	986
TOTALS		19.8			32.7						23.9	23.7	5.5	7902

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

13947 MARSHALL AAF KS

66-70, 74-79

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	40.6			26.9						14.3	18.2	3.9	1011
	03-05	32.5			30.4						16.4	20.7	4.5	1016
	06-08	17.8			35.9						27.2	19.1	5.4	1017
	09-11	20.0			38.1						24.5	17.4	5.1	1019
	12-14	15.6			41.5						26.8	16.1	5.3	1019
	15-17	12.0			46.9						28.4	12.7	5.2	1020
	18-20	17.0			44.8						24.3	13.9	4.9	1020
	21-23	28.5			39.1						17.9	14.5	4.2	1018
TOTALS		23.0			38.0						22.5	16.6	4.8	8140

3

SKY COVER

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	38.9			29.4						13.2	18.5	3.9	1013
	03-05	32.8			29.1						15.1	22.9	4.5	1011
	06-08	16.4			34.1						23.1	26.4	5.7	1016
	09-11	18.0			34.2						27.0	20.8	5.5	1013
	12-14	13.1			40.8						28.2	17.9	5.5	1014
	15-17	12.1			45.6						27.1	15.1	5.3	1013
	18-20	20.6			41.2						23.4	14.7	4.8	1011
	21-23	32.1			33.9						16.4	17.7	4.3	1014
TOTALS		23.0			36.0						21.7	19.3	4.9	8105

FORM
HJL 64

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

3

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

13947 MARSHALL AAF KS

65-70,74-78

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	45.0			19.6						11.2	24.1	4.0	979
	03-05	40.9			21.8						12.3	24.9	4.3	982
	06-08	24.7			28.6						16.6	30.0	5.4	974
	09-11	25.3			28.7						17.6	28.4	5.3	985
	12-14	18.8			31.9						22.1	27.2	5.7	989
	15-17	18.5			34.2						22.5	24.8	5.5	986
	18-20	26.1			32.4						20.8	20.7	4.9	990
	21-23	41.7			22.0						13.4	23.0	4.2	988
TOTALS		30.1			27.4						17.1	25.4	4.9	7873

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

13947 MARSHALL AAF KS

65-70, 74-78

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	52.5			16.0						9.6	21.9	3.5	1019
	03-05	50.3			17.7						7.3	24.7	3.7	1016
	06-08	33.0			26.5						15.2	25.4	4.7	1016
	09-11	27.0			26.4						19.3	27.3	5.3	1022
	12-14	25.4			27.8						20.5	26.2	5.3	1022
	15-17	24.6			29.5						19.7	26.1	5.3	1023
	18-20	32.1			28.0						17.3	22.6	4.7	1022
	21-23	47.8			19.9						10.8	21.5	3.7	1023
				</										

SKY COVER

13947 MARSHALL AAF KS

65-70, 74-78

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	37.5			19.6						9.3	33.6	4.8	986
	03-05	37.9			17.0						10.4	34.7	4.9	987
	06-08	27.3			22.9						15.3	34.5	5.5	988
	09-11	20.7			22.1						21.1	36.0	6.2	989
	12-14	19.3			22.9						22.8	35.0	6.2	988
	15-17	17.4			23.6						24.2	34.7	6.4	990
	18-20	26.1			27.9						17.5	33.6	5.6	989
	21-23	35.6			18.8						13.0	32.6	5.0	990
TOTALS		27.7			21.2						16.7	34.3	5.6	7907

SKY COVER

DESC

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	38.0			17.7						10.6	33.7	4.9	1023
	03-05	40.9			17.5						8.2	33.4	4.6	1023
	06-08	25.6			24.5						14.5	35.4	5.6	1022
	09-11	19.4			21.8						19.2	39.7	6.3	1023
	12-14	16.1			25.1						17.0	41.9	6.5	1020
	15-17	18.5			25.4						18.7	37.4	6.2	1022
	18-20	27.0			23.8						13.7	35.6	5.5	1023
	21-23	33.8			18.7						11.1	36.4	5.2	1023
TOTALS		27.4			21.8						14.1	36.7	5.6	8179

3
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

13947 MARSHALL AAF KS

65-71,74-79

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	26.0			21.3						14.3	38.5	5.8	6177
FEB		26.3			22.2						14.3	37.2	5.7	7431
MAR		24.7			22.5						16.5	36.3	5.8	8171
APR		22.8			22.4						18.4	36.4	6.0	7896
MAY		20.9			26.8						20.9	31.5	5.8	8157
JUN		19.8			32.7						23.9	23.7	5.5	7902
JUL		23.0			38.0						22.5	16.6	4.8	8140
AUG		23.0			36.0						21.7	19.3	4.9	8105
SEP		30.1			27.4						17.1	25.4	4.9	7873
OCT		36.6			24.0						15.0	24.5	4.5	8163
NOV		27.7			21.2						16.7	34.3	5.6	7907
DEC		27.4			21.8						14.1	36.7	5.6	8179
TOTALS		25.7			26.4						18.0	30.0	5.4	96101

USAFETAC

FORM 0-9-5 (OL A)
JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
 - b. Extreme minimum temperature
- NOTE:** Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OL A to present these data may result in differences not exceeding $\pm 1^\circ$ from directly converted values but excludes no Fahrenheit values.

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) † indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.

- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958, and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

STATION NAME
 17477 MARSHALL AAF AS
 STATION

50-70

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM DAILY OBSERVATIONS

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1													
2													
3													
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98													
99													
100													
MEAN	3.0	42.7	53.0	66.2	75.9	84.2	90.0	94.7	75.7	69.3	50.4	41.0	1.0
S D	1.15	14.14	14.61	11.76	1.517	7.07	7.57	7.72	11.17	11.17	11.17	11.17	11.17
TOTAL OBS	1	47	71	11	11	11	11	11	11	11	11	11	11

DAILY TEMPERATURES

STATION

STATION NAME

56-72

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM DAILY OBSERVATIONS

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
5						.9	3.1	.7					.4
6					.4	5.7	17.9	12.6	3.5				.4
7					5.9	21.7	46.3	37.2	12.1	1.1			1.7
8					12.7	45.9	75.1	62.8	23.7	4.0			19.1
9			.1	2.5	30.1	69.7	90.6	82.6	41.4	10.1	.7		74.1
10			1.4	5.9	30.1	69.7	90.6	82.6	41.4	10.1	.7		74.1
11			2.7	16.1	61.2	88.8	97.0	90.2	59.6	20.0	2.1	.1	35.5
12	.1	.3	6.5	30.0	68.9	97.0	99.2	98.9	77.8	33.8	5.7	1.1	43.1
13		1.1	11.4	45.7	83.3	99.6	99.7	100.0	90.4	51.3	12.1	1.8	77.1
14	1.1	3.6	20.9	62.3	93.0	100.0	100.0		95.4	68.6	21.9	3.5	90.7
15	4.2	11.1	35.1	80.0	98.6				99.6	83.7	37.5	10.2	67.6
16	7.0	16.5	43.8	84.6	99.6				100.0	88.6	47.4	15.4	67.1
17	13.0	25.2	55.3	92.0	99.7					94.1	60.2	23.6	73.7
18	28.0	43.6	75.2	98.0	100.0					98.9	80.7	42.4	81.7
19	43.2	59.0	86.3	99.4						100.0	91.1	83.8	97.0
20	55.9	73.3	94.5	99.9							98.5	73.7	91.6
21	67.7	85.9	97.2								97.2	87.9	94.7
22	70.4	92.4	98.6	100.0							99.3	93.9	97.0
23	90.1	90.3	99.0								99.7	98.6	98.5
24	94.6	98.1	99.9								99.9	94.2	99.3
25	98.5	99.8	100.0								100.0	99.7	99.7
26	99.6	99.9										100.0	99.9
27	100.0	99.6											100.0
28		100.0											100.0
29													100.0
30													100.0
31													100.0
32													100.0
33													100.0
34													100.0
35													100.0
36													100.0
37													100.0
38													100.0
39													100.0
40													100.0
41													100.0
42													100.0
43													100.0
44													100.0
45													100.0
46													100.0
47													100.0
48													100.0
49													100.0
50													100.0
51													100.0
52													100.0
53													100.0
54													100.0
55													100.0
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64													100.0
65													100.0
66													100.0
67													100.0
68													100.0
69													100.0
70													100.0
71													100.0
72													100.0
73													100.0
74													100.0
75													100.0
76													100.0
77													100.0
78													100.0
79													100.0
80													100.0
81													100.0
82													100.0
83													100.0
84													100.0
85													100.0
86													100.0
87													100.0
88													100.0
89													100.0
90													100.0
91													100.0
92													100.0
93													100.0
94													100.0
95													100.0
96													100.0
97													100.0
98													100.0
99													100.0
100													100.0
MEAN	14.6	21.4	31.2	43.5	54.1	63.4	68.1	66.0	57.2	41.3	22.2	12.1	43.4
S.D.	11.3	11.4	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
TOTAL OBS.	71	71	71	71	71	71	71	71	71	71	71	71	71

1
3GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MACEXTREME VALUES
MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

17-47 MARSHALL AAF KS
STATION STATION NAME

56-79

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56									105	93	72	66	
57	59	65	78	79	81	97	103	101	93	84	74	62	100
58	53	70	59	79	92	97	97	100	95	89	75	60	100
59	55	64	75	88	92	97	97	102	97	79	77	66	102
60	63	58	81	88	91	103	103	102	97	88	70	58	103
61	61	67	73	88	90	96	103	100	98	82	74	65	103
62	54	69	79	83	92	91	96	105	91	88	73	72	105
63	61	71	87	86	93	97	105	105	95	100	76	65	105
64	69	59	74	87	94	97	105	101	94	84	80	65	105
65	66	66	70	94	88	93	102	100	95	92	77	66	102
66	56	62	90	82	95	104	112	99	91	86	74	65	112
67	70	75	89	85	100	90	99	90	86	86	70	62	100
68	67	60	84	82	89	101	96	98	94	88	68	59	101
69	54	52	77	79	87	95	100	102	93	89	76	59	102
70	60	75	78	90	89	96	105	106	100	83	71	67	106
71	63	67	81	86	98	103	99	97	104*	91*	78*	56	104
72	* 61*	86	87	89*	88	96*	106	99*	100*	88*	67*	64	* 106
73	* 60*	64	72	82*	92	107*	103	101*	91*	85	72	69	107
74	67	68	83	83	91	101	110	95	87	81	72	58	110
75	55	56	77	84	91	92	102	106	103	93	74	71	106
76	62	79	84	85	83	97	99	105	103	93	74	67	105
77	49	78	81	85	88	95	103	97	90	86	72	68	103
78	52	50	87	86	90	105	105	108	104	89	82	57	108
79	43	55	80	86	85	97	98	95					
MEAN	59.1	65.0	79.4	85.0	90.0	97.7	101.9	100.6	96.0	87.7	74.0	64.3	104.3
S.D.	6.901	8.231	7.089	5.699	4.141	4.487	4.316	4.218	5.590	4.977	3.324	4.451	3.194
TOTAL OBS.	710	647	713	690	711	690	711	713	688	698	688	708	8367

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GEOL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13/47 MARSHALL AAF KS

66-71,75-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
61				.5														3	3					
59		.2																2	2					
57		.1																1	1	3				
55			.2															2	2	3	3			
53			.1	.1														2	2		1			
51					.1													1	1	2	2			
49			.1	.1	.1													3	3	1				
47			.1	.1	.2													4	4	1	3			
45		.2		.3	.2													7	7	2				
43		1.0	.1	.2	.2													15	15	7	1			
41		.1	.1	.4	.2													8	8	9	7			
39	.1	.7	.9	.4	.1													22	22	13	6			
37	1.0	1.7	.9	.8	.5													49	49	20	17			
35	.2	.9	2.0	1.2	.1													64	64	29	15			
33	.4	3.4	1.0	.9														58	58	34	13			
31	.5	2.2	2.7	.4														62	62	76	37			
29	.4	2.2	1.6	.2														44	44	53	41			
27	.9	3.9	1.2															61	61	56	45			
25	.6	3.8	.0															54	54	74	45			
23	1.0	2.9	.7															47	47	54	57			
21	1.6	1.5	1.5															46	46	52	55			
19	.7	4.6	1.1															65	65	43	67			
17	.7	3.4	.8															50	51	60	54			
15	1.1	2.7	.7															46	47	58	52			
13	1.1	2.5	.2															36	39	40	41			
11	2.0	2.0																47	48	53	47			
9	.8	4.9																58	58	44	77			
7	1.1	3.5																47	47	61	43			
5	.4	2.1																25	25	35	25			
3	.3	2.0																25	25	35	36			
1	.9	1.1																20	20	21	51			
-1	1.0	.5																20	20	16	55			
-3	.6	.8																14	14	12	35			
-5	.4	.4																8	8	9	30			
Element (X)	Σ x'		Σ x		X	No. Obs.		Mean No. of Hours with Temperature						Total										
Rel. Hum.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

0303-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
-6/-1	.5																	5	5	5	20													
-1/-9	.8																	8	8	8	18													
-11/-11	.6																	6	6	6	11													
-13/-13																					5													
-14/-15	.1																	1	1	1	12													
-16/-17	.1																	1	1	1	8													
-18/-19																					10													
-20/-21																					3													
-22/-23																					1													
TOTAL	20.555	8.16	7.5	5.3	1.7													1019	1023	1019	1919													

PSYCHROMETRIC SUMMARY

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MONTH

0300-0500
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

-26-5 (OL-A)

WFO

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-1/-5	.2	1.0																12	12	12	14			
-6/-7	1.1	.1																11	11	14	27			
-8/-9	.5																	6	6	7	14			
-10/-11	.9																	9	9	9	11			
-12/-13	.4																	4	4	4	3			
-14/-15	.3																	5	3	3	13			
-16/-17																					13			
-18/-19																					16			
-20/-21																					9			
-22/-23																					2			
-24/-25																					1			
TOTAL	23.556	315.6	4.7	.6															1021	1022	1021			
																			1021	1021				

LOCAL CLIMATOLOGY BRANCH
HSAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

13-47 MARSHALL AAF MS
STATION

66-71, 75-79

YEARS

JAN.
MONTH

PAGE 1

0600-0800
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL Dry Bulb Wet Bulb Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31																		
47/63				.1														1	1																
47/61			.1	.1														2	2																
47/57																																			
47/55																																	1		
47/53																																	2		
47/49			.3															3	3																
47/47		.2	.2															4	4																
47/45				.2														2	2	5	1														
47/43		.2	.1	.3														6	5	2	1														
47/41		.3	.4	.2	.1													10	13	5	4														
47/39	.4	.3	.4		.2													13	13	9	9														
47/37	.1	1.0	1.0	.1														22	22	15	4														
47/35	.4	1.3	1.1	.6														34	34	10	3														
47/33	.7	3.4	1.1	.3														56	56	47	21														
47/31	.5	3.3	1.1	.4														54	54	48	45														
47/29	.5	2.8	2.5	.3														52	52	63	28														
47/27	.5	2.6	1.4															45	45	51	45														
47/25	1.4	3.5	1.4															68	68	72	58														
47/23	.4	3.5	.7															47	47	55	29														
47/21	1.3	2.2	.3															36	36	58	44														
47/19	2.3	4.4	.4															69	69	49	66														
47/17	1.4	3.1	.6															52	53	62	64														
47/15	1.7	3.2	.5															55	56	54	59														
47/13	1.6	3.9																50	50	50	53														
47/11	1.6	2.9																46	46	55	47														
47/9	1.4	3.1	.1															47	47	48	52														
47/7	.4	3.1																41	41	42	45														
47/5	.6	2.1																27	28	33	24														
47/3	.6	3.1																41	41	43	39														
47/1	1.4	2.3																37	37	38	47														
47/-1	1.4	.3																17	17	27	28														
47/-3	.5	.6																11	11	10	39														
47/-5	.6	.7																13	13	15	31														
47/-7	.7	.4																11	11	15	22														
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature						Total																		
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOURNAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAO

YEARS

1447	MARSHALL AAF MS
STATION	STATION NAME

46-71, 75-79

JAY
MONTH

PAGE 2 PEJU-0500
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-7/-9	1.5																	16	16	16	24			
-7/-11	1.1																	11	11	11	19			
-17/-13	.2																	2	2	2	5			
-17/-15	.6																	6	6	5	7			
-17/-17																					19			
-17/-19																					19			
-27/-21																					8			
-27/-23																					4			
-27/-25																					3			
-27/-27																					1			
TOTAL	25.554	413.4	2.5	.5															1027		1019			
																		1.19		1.19				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

593
MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
67	67																	1	1																
67	65																	1	1																
67	63				.1													1	1																
67	59				.1																1														
57	57																	1	1		1														
57	55					.1												1	1		2														
47	53	.1																1	1																
47	51		.1	.1	.2													4	4		1														
47	49		.4	.1	.1													5	5																
47	47	.2		.5	.2													9	9																
47	45	.3	.3	.3	.3	.1												13	13		3														
47	43	.7	.3	.7	.4	.1												22	22		4														
47	41	.5	1.0	.8	.5													29	24	15	12														
47	39	.6	2.0	.7	.2													35	35	12	5														
37	37	.1	1.2	1.7	1.3													40	40	32	5														
37	35	.3	1.7	2.2	.7	.2												52	52	46	15														
37	33	.4	2.2	1.5	1.1	.2												55	55	51	37														
27	31	.4	3.0	2.1	.6													62	62	57	39														
27	29	.3	2.6	2.3	.4													58	54	54	49														
27	27	.4	3.8	2.0														67	67	73	61														
27	25	.5	3.8	2.1	.1													66	66	71	59														
27	23		2.2	1.0														53	53	61	45														
27	21	.7	2.3	1.1														42	42	43	58														
17	19	.5	3.2	1.3														48	48	41	66														
17	17	.6	3.6	1.5														58	48	51	54														
17	15	1.7	2.6	.6														43	43	64	49														
17	13	.2	2.2	.5														50	50	51	47														
17	11	.4	3.1	.6														42	42	35	43														
7	7	.3	3.7	.5														51	51	45	55														
7	5	.2	2.8															31	31		53														
7	3	.3	2.8															52	52	37	25														
7	1	.4	2.3															24	24	29	21														
7	1		1.4															19	19	16	38														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12547 MARSHALL AAF KS 66-71,75-79 JAN 1966-1100
STATION STATION NAME YEARS MONTH HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
-1/-1	.4	.8																12	12	12	12					
-1/-2	.4	.4																5	5	9	11					
-1/-3	.6	.2																5	3	9	12					
-1/-4	.5																	5	5	5	24					
-1/-11																					14					
-1/-12																					6					
-1/-13																					17					
-1/-14																					14					
-1/-15																					4					
-1/-16																					1					
-1/-17																					4					
-1/-18																					1					
-1/-19																					1					
-1/-20																					1					
-1/-21																					1					
-1/-22																					1					
-1/-23																					1					
-1/-24																					1					
-1/-25																					1					
TOTAL	1.235	2.244	7.3	2.3	.2	.1												1023	1023	1023	1023					

Element (X)	Σ x²	Σ x	Σ	Σ x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	135355	71351	69.5	13.864	1023	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	725775	23575	23.1	13.193	1023	4.5	68.5	.1				43
Wet Bulb	512711	21435	21.1	12.267	1023	5.6	75.6					43
Dew Point	415147	14579	14.3	14.347	1023	10.2	86.2					43

USAFETAC FORM 0-26-5 (OL A) 10-64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 121-1450
HOURS 12. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
50 / 50																																		1	1		
50 / 51																																		1	1		
50 / 52																																		1	1		
50 / 53																																		2	2		
50 / 54																																		3	3		
50 / 55																																		5	5		
50 / 56																																		7	7		
50 / 57																																		10	10		
50 / 58																																		14	14		
50 / 59																																		19	19		
50 / 60																																		27	27		
50 / 61																																		35	35		
50 / 62																																		44	44		
50 / 63																																		49	49		
50 / 64																																		53	53		
50 / 65																																		55	55		
50 / 66																																		57	57		
50 / 67																																		57	57		
50 / 68																																		57	57		
50 / 69																																		57	57		
50 / 70																																		57	57		
50 / 71																																		57	57		
50 / 72																																					

AD-A082 420

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER—ETC F/O 4/2
MARSHALL AAF, MANHATTAN, KANSAS. REVISED UNIFORM SUMMARY OF SUR—ETC(U)
FEB 80

UNCLASSIFIED

USAFETAC/DS-80/028

NL

4 of 6

AD-A082 420

AD-A082 420

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PSYCHROMETRIC SUMMARY

46-71,75-70

JAN

STATION NAME

YEARS

MONTH

PAGE 2

1200-1400

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
/ -1			.1															5	8	11	53											
/ -2		.1																1	1	9	41											
- / -3			.2															2	2	1	28											
- / -4			.1															1	1	2	18											
- / -5																					13											
- / -6																					28											
- / -7																					5											
- / -8																					8											
- / -9																					7											
- / -10																					5											
- / -11																					2											
- / -12																					2											
TOTAL	1.5	31.6	31.8	17.7	9.6	4.7	2.2	.7	.1		.1							1021	1022		1021											
																		1021		1021												

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
69										.1								1	1												
67										.1								1	1												
65				.1	.1				.1									3	3												
63				.1				.1	.2									3	6												
61								.1	.5									4	4												
59					.1	.1	.5	.3										8	8												
57					.4	.1	.3	.6										14	14	1											
55			.2	.2	.3	.3	.6	.1										17	17		1										
53		.1	.2		.1	.4	.5	.2										15	15	1	2										
51			.1	.3	.1	.7	.4	.1										17	17	10											
49			.4	.3	.7	.6	.5	.4										29	29		3										
47		.2	.2	.6	1.5	1.3	.4											42	42	20	2										
45		.1	.3	1.5	1.1	.5	.4											39	39	14	5										
43		.5	.6	1.6	1.5	.7	.1											50	50	35	10										
41		.5	.9	1.1	.6	.7												38	38	42	14										
39		.3	.9	1.2	.7	.4												35	35	48	7										
37		.3	.9	2.3	1.1	.1												47	47	53	11										
35	.1	1.6	1.5	2.6	1.2	.1												72	72	55	23										
33	.3	1.7	2.7	1.4	.2													56	55	59	29										
31		2.3	2.6	1.7														67	67	82	57										
29		1.6	2.1	.8														45	45	42	56										
27		1.1	1.1	1.3	.1													36	35	57	54										
25	.1	2.3	1.3	.7	.2													47	47	54	87										
23	.1	1.3	2.2	.5														39	39	44	53										
21		2.0	3.1	.3														55	55	43	55										
19		2.3	2.3															46	46	57	56										
17	.1	1.8	2.1															47	47	50	59										
15		.9	1.6															25	25	45	54										
13		1.6	2.3															40	40	31	46										
11		1.2	.7															19	19	29	45										
9		2.3	.3															27	27	34	43										
7		1.5	.5															18	18	31	26										
5		1.0	.1															11	11	14	22										
3		.7																7	7	14	34										
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature																				
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total								
Dry Bulb																															
Wet Bulb																															
Dew Point																															

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1947
STATION

MARSHALL AAF KS
STATION NAME

66-71,75-79
YEARS

JAN
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
62/ 61				.2														2	2					
59/ 59			.1		.1	.1												3	3					
57/ 57																								
55/ 55		.1	.2	.1			.1											5	5	1	1			
53/ 53		.3																3	3	2	2			
51/ 51			.1		.3	.1	.1											6	6	3	2			
49/ 49			.2	.2	.1	.2												7	7	2	4			
47/ 47		.1	.3	.4	.7	.2												17	17	2				
45/ 45		.3	.2	.5	1.2	.1												23	23	4	2			
43/ 43		.8	.4	.6	.9	.2												29	29	12	2			
41/ 41		.4	.5	1.3	.3	.1												26	26	20	12			
39/ 39	.3	1.1	1.9	1.5	.8													54	54	27	3			
37/ 37		1.1	1.2	1.9	.5													47	47	35	8			
35/ 35		1.9	2.1	1.5	.3													59	58	53	16			
33/ 33	.4	2.2	2.0	1.2														58	58	87	26			
31/ 31	.4	2.3	2.8	.9	.1													67	67	75	44			
29/ 29	.2	2.8	2.2	.2	.1													56	56	83	51			
27/ 27	.2	3.6	2.8	.5														73	73	62	66			
25/ 25	.4	5.0	1.6	.1														72	72	76	61			
23/ 23	.4	2.5	1.1	.2														41	41	73	57			
21/ 21	.5	2.5	1.5															46	46	55	34			
19/ 19	.2	3.9	1.8	.2														62	62	37	56			
17/ 17	.3	1.7	1.1															31	31	55	67			
15/ 15	.2	2.3	.5															31	31	48	57			
13/ 13	.2	2.7	.9															39	39	31	33			
11/ 11	.3	2.6	.8															40	40	35	48			
9/ 9	.5	2.4	.3															33	33	50	52			
7/ 7	.5	2.8																32	32	26	24			
5/ 5	.2	1.8																20	20	38	20			
3/ 3		1.2																12	12	16	37			
1/ 1		1.0																10	10	12	44			
-1/ -1	.5	.2																7	7	11	31			
-3/ -3	.2	.4																6	6	7	22			
-5/ -5	.5																	5	5	5	15			
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature							Total				
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947
STATION

MARSHALL AAF KS
STATION NAME

86-71, 75-79
YEARS

JAN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	1	2	3	4
12/ 61				.1														1	1						
11/ 59		.5		.1														4	4						
10/ 57																									
9/ 55		.2		.1														3	3						
8/ 53			.3															3	3						
7/ 51			.1	.1	.5													5	5						
6/ 49		.1		.2	.1	.1												5	5						
5/ 47			.2		.5	.1												6	6						
4/ 45		.4		.2	.2													14	14						
3/ 43		.7	.2	.7	.2													18	18						
2/ 41	1.0	.4	1.9															33	33						
1/ 39	.2	.5	.6	.7	.4													24	24						
31/ 37	.4	1.1	.8	1.4	.1													38	38						
30/ 35	.2	1.4	1.1	1.7														44	44						
29/ 33	.5	1.9	1.8	1.4														54	54						
28/ 31	.7	3.5	2.2	.5														70	70						
27/ 29	1.1	2.3	1.5	.2														51	51						
26/ 27	.9	3.8	2.4	.2														75	75						
25/ 25	.4	3.2	1.1	.3														51	51						
24/ 23	.6	3.4	1.0															51	51						
23/ 21	.9	3.6	1.2															58	58						
22/ 19	.5	5.6	.9															72	73						
21/ 17	.1	2.7	.5															34	34						
20/ 15	.7	3.8	.3															49	49						
19/ 13	.8	1.9	.3															50	50						
18/ 11	1.3	2.9	.3															36	36						
17/ 9	.7	3.8	.1															47	47						
16/ 7	.8	3.3																42	42						
15/ 5	.5	1.7																20	20						
14/ 3	.4	1.4																22	22						
13/ 1	.7	1.1																18	18						
12/ -1	1.1	.3																14	14						
11/ -3	.5	.6																11	11						
10/ -5	.3	.2																5	5						
Element (X)	ΣX^2				ΣX	\bar{X}	σ^2	No. Obs.		Mean No. of Hours with Temperature						Total									
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1947 MARSHALL AAF KS 65-71,75-79 JAN MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point		
69																						2	2			
67																						3	3			
65																						5	5			
63																						11	11			
61																						13	13			
59																						23	23			
57																						22	22	15		
55																						38	38	6	15	
53																						44	44	6	12	
51																						57	57	21	7	
49																						73	73	26	9	
47																						115	115	44	9	
45																						156	156	68	13	
43																						182	182	100	25	
41																						196	197	125	56	
39																						241	241	175	68	
37																						320	320	269	72	
35																						417	417	342	115	
33																						437	437	343	145	
31																						493	493	537	34	
29																						422	422	578	375	
27																						484	484	467	481	
25																						458	458	570	563	
23																						321	321	439	383	
21																						364	364	379	450	
19																						484	485	364	495	
17																						358	360	461	485	
15																						345	347	432	411	
13																						305	307	308	365	
11																						307	308	316	381	
9																						349	349	370	435	
7																						275	275	327	269	
5																						187	188	264	202	
3																						177	177	210	255	
Element (X)	Σ X ²				Σ X				Σ	Σ	No. Obs.				Mean No. of Hours with Temperature											
Rel. Hum.															≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

13747

MARSHALL AAF KS

66-71, 75-79

JAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

1 2 3
MONTH

PAGE 1 1000-1200
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

4 5 6
MONTH

581

1000-0000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
1-1	.1																		1	1	4	2										
2-3	.2	.1																	3	3	3	5										
3-5	.4																		4	4	4	7										
4-7																						4										
5-9	.5																		5	5	6	7										
7-11	.8																		3	3	5	4										
11-15	.1																		1	1	11	3										
15-19	.2																		2	2	2	4										
19-23	.2																		2	2	2	4										
23-27	.1																		1	1	1	3										
27-31																						2										
31-35																						2										
35-39																						4										
39-43																						1										
TOTAL	1.748	925.5	7.5	3.2	1.3	.8	.9	.4											930	930	930	930										

Element (X)	Σ x'	Σ x	Σ	Σ x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4180.718	65436	70.914	870	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	47855	25261	27.213	173	930	2.1	56.9	.2				64
Wet Bulb	48275	22445	24.611	743	930	2.3	63.4					64
Dew Point	463762	1768	19.012	737	930	6.6	75.8					64

GENERAL CLIMATOLOGY BRANCH
 AFAP, TAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15-47 MARSHALL AAF MS 66-71,75-79 YEARS FEB MONTH
 STATION STATION NAME

PAGE 1 0310-0500
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
7 / 69									.1										2		2				
5 / 67																			1		1				
5 / 57				.2															2		2				
5 / 55		.1		.2															3		3				
4 / 54		.2	.1	.3					.1										7		7				
4 / 51			.1	.3					.2										8		9				
4 / 49		.1	.3	.3		.5	.1	.1											12		12				
4 / 47		.2		.5	.2	.2													9		9				
4 / 45		.2		.4	.2	.5													11		11				
4 / 43		.2	.3	.4	.5														12		12				
4 / 41	.2	.3	1.2	1.4	.2														31		31				
4 / 39	.4	.6	.9	.5	.3														28		28				
3 / 37	.1	.5	1.5	1.1	.5														33		33				
3 / 35	.3	1.5	2.3	.3	.2														45		46				
3 / 33	.5	2.7	1.5	.8															54		54				
3 / 31	.5	2.4	2.9	.8	.1														62		62				
3 / 29	.5	2.7	2.3	.1															52		52				
3 / 27	1.1	4.1	1.4	.5															55		66				
3 / 25	.5	5.8	1.2	.1															74		74				
3 / 23	.4	4.8	.3																52		52				
2 / 21	1.2	3.4	1.5																52		52				
2 / 19	.5	4.9	.9																62		62				
2 / 17	.5	2.9	.5																37		37				
2 / 15	.5	3.4	.4																43		43				
2 / 13	.5	2.6	.1																31		31				
2 / 11	1.5	1.6	.1																31		31				
2 / 9	.5	2.6																	31		31				
2 / 7	.2	1.5																	16		16				
2 / 5		1.5																	9		9				
2 / 3	.5	.5																	8		8				
2 / 1	.5	.4																	7		7				
2 / -1	.5	.3																	9		9				
2 / -3	.5	.1																	6		6				
2 / -5	.1																		1		1				
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

YEARS

12 MONTH

PAGE : 030-0000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NA. 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

Feb
MONTH

PAGE 1 1616-08JC
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 2

10624-10860
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

13,47
STATIO

MARSHALL AAF KS

STATION NAME

86-71,75-79

YEARS

Per
MONTH

PAGE 2

2952-1150

HOURS (L. S. T.)

[illegible]

USAFETAC
FORM JUL 69
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 MARSHALL AAF MS
STATION STATION NAME

66-71,75-79
YEARS

FILE
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
16/ 75																		2	2						
14/ 73																		3	3						
12/ 71																		3	3						
10/ 69																		9	9						
8/ 67																		11	11						
6/ 65																		11	11						
4/ 63																		12	12						
2/ 61																		16	16						
0/ 59																		10	10	2					
5/ 57																		20	20	5					
5/ 55																		25	25	6					
4/ 53																		33	33	10	5				
3/ 51																		34	34	13	1				
2/ 49																		36	36	20	4				
1/ 47																		33	33	24	5				
0/ 45																		45	45	30	6				
-1/ 43																		36	36	44	5				
-2/ 41																		38	38	55	8				
-3/ 39																		39	40	43	16				
-4/ 37																		64	64	76	22				
-5/ 35																		47	47	65	25				
-6/ 33																		38	38	61	48				
-7/ 31																		51	51	57	52				
-8/ 29																		46	48	52	56				
-9/ 27																		57	57	53	70				
-10/ 25																		42	42	54	77				
-11/ 23																		17	17	52	62				
-12/ 21																		26	26	38	61				
-13/ 19																		39	40	24	54				
-14/ 17																		25	25	47	47				
-15/ 15																		17	17	21	44				
-16/ 13																		11	11	24	44				
-17/ 11																		10	10	11	43				
-18/ 9																		13	13	12	29				
Element (X)	ΣX^2		ΣX		\bar{X}		σ^2		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

F E S

MONTH

1200-1400

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1347	MARSHALL AAF MS
STATION	STATION NAME

66-71, 75-79

YEARS

FEB
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

56-71,75-79

444

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

FEB
MONTH

1846-2003

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
77 - 5		.5																3	3	5	22	
77 - 7		.5																3	3	3	14	
77 - 9		.5																3	3	3	14	
77 - 11																				2	9	
77 - 13																					7	
77 - 15																					4	
77 - 17	.1																	1	1	1	3	
77 - 19																					11	
77 - 21																					4	
TOTAL	2.5	30.0	25.7	17.3	11.0	5.1	3.5	1.8	1.4	1.2	.4	.1	.1						929		929	

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

2100-2500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
77/71																		2	2													
77/67								.2		.1								3	3													
76/63						.1												1	1													
77/61				.3	.1				.2	.2								8	4													
77/59						.1			.5	.5								7	7													
77/57				.2					.4	.1								6	6													
77/55			.3	.5	.2		.2	.1	.2									15	15	6												
77/53			.3		.1	.2		.1										5	5	2												
77/51			.1	.2	.4	.1												3	8	2												
77/49			.2	.1	.3	.1												7	7	4												
77/47			.6	.2	.2	.6												19	19	5												
77/45		.5	.8	.5	.5													24	24	7												
77/43		.3	.3	1.3	.2	.2	.1											26	26	7												
77/41			1.3	.9	.5	.2												24	24	12												
77/39	.6	.5	2.4	1.3	.5													42	42	16												
77/37	.6	1.2	1.3	1.3	.6	.3												47	47	6												
77/35	.2	2.3	.5	1.4	.4													45	45	18												
77/33	.1	3.7	3.3	1.7	.3													55	35	3												
77/31	.9	1.5	3.7	1.3														64	64	21												
77/29	.2	3.9	2.5	.5														66	66	47												
77/27	.5	5.7	2.5	.5														86	66	47												
77/25	.5	2.8	1.3	.2														45	45	73												
77/23		1.3	1.6	.2														29	29	48												
77/21	.5	3.6	.9	.1														42	42	71												
77/19	.3	3.7	2.7	.2														55	59	98												
77/17	.3	3.1	1.3															44	44	42												
77/15	.5	2.4	.6															33	33	53												
77/13	.1	2.6	.1															26	26	45												
77/11	.3	1.5																17	17	52												
77/9	.5	1.1																13	13	47												
77/7		.4																4	4	22												
77/5	.4	.2																6	6	56												
77/3		.1																1	1	34												
77/1	.1	.5																5	8	25												
Element (X)	Σ X ²	Σ X	Σ	Σ	Σ	No. Obs.																										

PSYCHROMETRIC SUMMARY

YEARS

772

PAGE 217-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ -1	.5	.1																4	4	4	4			
- / -0	.2	.2																4	4	4	4			
- / -1	.1																	1	1	1	1			
- / -2	.4																	4	4	4	4			
- / -11	.1																	1	1	1	1			
-1 / -13																								
-1 / -15																								
-1 / -17																								
-1 / -19																								
-1 / -21																								
TOTAL	1.242	6.27	4.12	5	5.4	2.2	.5	1.7	1.1															

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4464415	62724	67.415	8.64	93							
Dry Bulb	71242	27572	29.812	6.18	93	1.3	50.2	.5				2
Wet Bulb	63445	24451	26.511	4.56	93	1.4	61.2					4
Dew Point	426743	15143	16.511	4.56	93	4.2	74.7					3

PSYCHROMETRIC SUMMARY

YEARS

MONTH

ELL

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
71																		1	1																	
72																		5	5																	
73																		7	7																	
74																		16	16																	
75																		21	21																	
76																		23	23																	
77																		37	37																	
78																		51	51																	
79																		62	62																	
80																		80	80																	
81																		97	97																	
82																		138	138																	
83																		137	137																	
84																		177	177																	
85																		214	214																	
86																		267	267																	
87																		323	324																	
88																		375	375																	
89																		387	387																	
90																		430	433																	
91																		450	460																	
92																		489	441																	
93																		535	535																	
94																		533	534																	
95																		500	500																	
96																		336	336																	
97																		359	370																	
98																		507	507																	
99																		224	225																	
100																		177	177																	
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total													
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

100-71,72-19

STATION

STATION NAME

YEARS

MONT

Case 1

441

NOV 15 1954

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 1	.5	1.4	.1															1.5	1.5	2.5	3.52														
1 / 2	.5	1.4	.1															1.5	1.5	1.5	1.4														
2 / 1	.1	.7																.1	.1	1.2	2.4														
2 / 2	.1	.5																.4	.4	1.2	2.2														
2 / 3	.1	.4																.4	.4	.6	1.9														
2 / 4	.1	.5																.4	.4	.7	2.4														
2 / 5	.1	.1																.5	.5	.1	1.5														
2 / 6	.2	.1																.5	.5	.5	.6														
2 / 7	.2	.1																.7	.7	.5	.6														
2 / 8	.1																	.9	.9	.4	.6														
2 / 9	.3																	.5	.5	.5	.5														
2 / 10	.2																	.5	.5	.5	.5														
2 / 11	.2																	.5	.5	.5	.5														
2 / 12	.1																	.7	.7	.5	.5														
2 / 13	.1																	.5	.5	.5	.5														
2 / 14	.1																	.6	.6	.5	.5														
2 / 15	.1																	.5	.5	.5	.5														
2 / 16	.1																	.5	.5	.5	.5														
2 / 17	.1																	.5	.5	.5	.5														
2 / 18	.1																	.5	.5	.5	.5														
2 / 19	.1																	.5	.5	.5	.5														
2 / 20	.1																	.5	.5	.5	.5														
2 / 21	.1																	.5	.5	.5	.5														
2 / 22	.1																	.5	.5	.5	.5														
2 / 23	.1																	.5	.5	.5	.5														
2 / 24	.1																	.5	.5	.5	.5														
2 / 25	.1																	.5	.5	.5	.5														
2 / 26	.1																	.5	.5	.5	.5														
2 / 27	.1																	.5	.5	.5	.5														
2 / 28	.1																	.5	.5	.5	.5														
2 / 29	.1																	.5	.5	.5	.5														
2 / 30	.1																	.5	.5	.5	.5														
2 / 31	.1																	.5	.5	.5	.5														
TOTAL	1.838	5.23	0.17	.4	5.4	4.3	2.4	2.0	1.7	.6	.3	.5	.1	.1				74.5	74.5	74.5	74.5														

PSYCHROMETRIC SUMMARY

YEARS

443

PAGE 1

1000-0207
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MA 2
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 MARSHALL AAF KS
STATION STATION NAME

66-71, 75-79
YEARS

YEAR MONTH
HOURS (L, S, T)

PAGE 1 13947-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
74/ 77							.1											1	1						
73/ 71							.2											2	2						
71/ 69				.2														2	2						
69/ 67			.3	.1														4	4						
66/ 65							.2											2	2						
64/ 63			.1		.5		.1		.1									8	8	5					
62/ 61			.1	.3	.6	.1	.1	.1	.1									14	14	2	4				
57/ 59		.3	.9	.2	.1		.1	.1	.1									17	17	3	1				
57/ 57	1.0	.5	.1	.1	.4	.3												24	24	6	2				
56/ 55		.2	.6	.4	.2	.2	.1											17	17	26	10				
54/ 53		.5	.6	.3	.8	.3												25	25	14	16				
52/ 51		.3	.6	.4	.9	.4												26	26	12	10				
52/ 49		.5	.4	.6	.6	.1	.2											24	24	15	14				
47/ 47		.4	1.7	.7	.6	.2	.1											37	37	25	15				
45/ 45		.7	1.5	1.1	.5	.1	.1											39	39	29	17				
44/ 43	.3	.6	1.4	1.1	1.1													45	45	53	21				
42/ 41	.3	.7	1.1	.6	.5													32	32	36	17				
41/ 39	.1	1.4	3.1	.8	.7													62	62	40	40				
37/ 37	.5	1.8	1.3	1.2	.3													49	49	53	34				
36/ 35	.4	2.8	2.5	.7	.3	.1	.1											71	71	73	43				
34/ 33	.4	2.2	2.3	1.1	.3													63	63	61	47				
32/ 31	.4	4.9	2.1	.5	.1													50	60	61	62				
31/ 29	.4	2.4	3.6	.9														75	75	60	76				
27/ 27	.9	3.9	2.6	.5														81	81	72	77				
27/ 25	.5	3.3	1.6	.2														52	52	100	70				
24/ 23	.1	1.5	.9															25	25	46	50				
22/ 21	.4	1.6	.7	.1														34	34	41	69				
21/ 19	.5	2.7	.6															40	40	37	77				
18/ 17	.6	1.5	.4															25	25	43	45				
16/ 15	.1	1.1	.1															13	13	22	46				
14/ 13		1.0																10	10	9	29				
11/ 11	.1	.7																8	8	12	46				
11/ 10	.1	.2																3	3	5	15				
7/ 7	.1	.1																2	2	3	15				
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1306-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAU

PSYCHROMETRIC SUMMARY

15447 MARSHALL AAF KS

66-71, 75-79

MAE

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
1 / 69			.1				.1	.1																								3	5			
60 / 67							.1																										1	1		
60 / 65			.2				.1	.1																								4	4			
47 / 63				.2	.1		.1																									4	4			
52 / 61			.2	.2	.2		.3		.1																							10	10		3	
50 / 59		.1	.5	.5	.1			.1																								13	13			
50 / 57		.2	1.1	.4	.4	.3		.1																								25	25	11		
50 / 55		1.0	.2	.2	.1	.3	.1																									19	19	25	5	
47 / 53	.1	.3	.6	.8	.5	.9																										32	32	16	18	
52 / 51	.1	.2	.6	.1	.5	.3	.1																									19	19	14	13	
57 / 49	.1	.3	.8	.5	.2	.6																										23	23	17	15	
40 / 47		.6	1.2	.5	.4	.4																										31	31	23	13	
45 / 45		.7	.8	.5	.5	.1																										27	27	33	13	
46 / 43		.8	1.3	1.2	.7																											40	40	31	10	
42 / 41	.2	1.4	.9	1.2	.4																											41	41	36	23	
47 / 39	.3	1.5	3.4	1.0	.5																											67	67	42	34	
50 / 37	.2	1.6	1.9	1.1	.5																											51	51	53	36	
50 / 35	.9	3.1	2.6	1.5	.2																											53	33	69	41	
50 / 33	.4	2.4	2.9	.8	.2																											74	74	64	41	
50 / 31	.2	3.5	2.4	.7	.1																											70	73	61	33	
47 / 29	.5	3.1	2.9	.7																												74	74	75	62	
47 / 27	1.0	4.1	2.5	.5																												81	81	75	65	
45 / 25	.2	3.4	1.3	.1																												51	51	91	81	
44 / 23	.4	2.1	.6	.3																												34	34	59	44	
42 / 21	.7	1.9	.6																													52	52	39	65	
47 / 19	1.4	1.6	1.1																													41	41	40	62	
47 / 17	.2	1.8	.2																													22	22	31	52	
47 / 15	.1	.7	.5																													13	13	22	37	
45 / 13		.7																														7	7	9	39	
47 / 11		.4																														4	4	12	24	
47 / 9	.5	.8																														11	11	7	13	
47 / 7	.1	.2																														3	3	7	21	
47 / 5	.2																															2	2	3	18	
47 / 3																																			18	
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total																		
Rel. Hum.											≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MARK
MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
0/-	.2	.1																3	3	3	7				
1/-	.1																	1	1	1	7				
2/-	.1																	1	1	1	2				
3/-	.5																	3	3	3	2				
4/-	.1																	1	1	1					
5/-																					3				
6/-																					1				
7/-																					1				
8/-																					1				
9/-																									
10/-																									
11/-																									
12/-																									
TOTAL	0.2	0.3	0.1	0.1	0.2	0.2	0.9	0.4	0.1									1021	1021	1021	1021				

USAFETAC
FORM
JAN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

2: A 4
MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
79																		1	1												
77								.1	.1		.1				.1			5	3												
75										.3								5	3												
73							.1		.1	.3		.2						7	7												
71					.1			.4		.1		.2						7	7												
69				.1	.1	.5		.4	.4	.1	.2							19	18												
67				.2	.1	.4	.2	.1		.3								19	17												
65				.5	.4	.5	.4	.2	.4	.1								23	23												
63			.2	.5	.3	.5		.5	.5									25	25												
61			.3	.2	.5	.3	.5	.1	.3									26	21	5											
59		.1	.2	.7	.5	.5	.7	.7	.1	.1								36	36	24											
57		.6	.2	.4	.7	.7	.6	.2										41	41	27											
55		.4	.3	.5	.4	1.1	.7	.6										41	41	29											
53			.3	.5	.9	.8	1.7	.2										37	37	27											
51		.1	.3	.4	1.2	.8	1.7											36	38	26											
49		.3	.6	.4	1.3	1.6	.1											45	43	38											
47		.4	.3	1.2	.9	1.5	.2											45	45	45											
45		.2	.8	2.2	2.2	.8	.1	.1										62	62	46											
43	.1	.3	1.3	1.6	1.1	.4												48	48	48											
41	.2	.7	1.9	1.9	1.3	.1	.1											53	53	53											
39	.2	1.1	1.5	1.5	.9	.1												52	52	51											
37	.2	1.0	1.4	1.6	.8	.2												52	52	52											
35	.1	1.8	3.1	1.5	.4	.1												71	71	67											
33		1.5	2.2	1.9	.7													65	65	63											
31		1.9	2.2	1.7	.5													56	56	64											
29		1.2	2.3	.9	.5													49	49	77											
27		.9	1.5	.8														52	52	51											
25		.8	.7	.9														24	24	54											
23		.4	.6	.2														12	12	32											
21		.6	.7	.1														14	14	21											
19		.4	.1															5	5	19											
17		.5		.1														6	6	11											
15		.4	.2															6	6	6											
13	.1	.2																3	5	5											
Element (X)	Σ X ²			Σ X			Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total														
Dry Bulb																															
Wet Bulb																															
Dew Point																															

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
85																	.1	1	1													
84														.1			.1	2	2													
83												.1				.1		2	2													
82										.1	.1	.1						3	3													
81											.3	.3	.1	.1				7	7													
80								.1	.2	.5	.3	.3	.4	.1	.1			21	21													
79								.1	.1	.1	.2	.2	.4	.2	.2			15	15													
78						.1			.3	.4	.3	.4	.2	.1	.1			19	19													
77							.1	.1	.2	.5	.3	.1	.4	.2	.1			20	20													
76					.1	.2	.7	.3	.4	.2	.2	.2						25	25													
75				.1	.3	.3	.3	.3	.4	.5	.9	.2						34	34													
74			.1	.1	.3	.6	.4	.6	.8	.5	.4							34	34	4												
73		.1	.1	.2	.5	.4	.3	.5	.3	.4								26	26	6												
72		.1	.2	.5	.8	.8	.5	1.1	.2									37	37	11												
71		.4	.2	.3	.9	.6	.8	1.0	.3									50	50	22	1											
70		.5	.1	.2	.5	1.0	.6	1.0	.7	.3	.1	.1						50	50	31	2											
69		.1	.3	.3	1.1	1.4	1.2	.1										45	45	39	5											
68		.1	.1	.2	.5	1.2	.8	.2										33	33	42	11											
67		.1	.2	.4	1.2	1.2	.4											35	35	52	16											
66	.1	.2	.4	.7	1.0	.9	.1											34	34	52	25											
65	.2	.3	1.0	.8	.8	.3												32	32	54	26											
64	.2	.5	1.3	1.1	1.1	.2												43	43	63	30											
63	.3	.2	.9	1.0	1.0	.9	.3											50	50	73	14											
62	.1	.3	.8	1.0	.9	.2												35	38	63	39											
61	1.0	1.5	1.5	1.4	.7	.2												64	64	52	24											
60	.5	.7	2.1	1.1	.7	.1												52	52	62	55											
59	.7	1.9	2.1	1.2	.2													50	60	56	46											
58	.1	.4	1.6	1.6	.7	.1												45	45	58	65											
57	.1	1.0	.3	.9	.5													28	23	75	61											
56	.2	1.1	.9	.5														21	21	51	58											
55	.5	.3	.4															12	12	45	84											
54	.2	.3	.1															11	11	22	80											
53	.2	.5																7	7	16	55											
Element (X)	Σ x'		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total									
Dry Bulb																																
Wet Bulb																																
Dew Point																																

PSYCHROMETRIC SUMMARY

YEARS

424
MONTH

PAGE 2 1200-1410
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 84
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

6-71, 73-74

STATION

STATION NAME

YEARS

MONTH

PAGE 2

15:00-17:00

HOURS (L, S, T.)

PSYCHROMETRIC SUMMARY

YEARS

✓ A .
MONITOR

10-11-1961
HOURS (L.S.T.)

[illegible]

USAFETAC
FORM
MAY 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

[illegible]

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MA 2
MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
86																		3	3																
87																		6	6																
88																		6	6																
89																		12	12																
90																		26	26																
91																		54	54																
92																		45	45																
93																		52	52																
94																		71	71																
95																		85	85																
96																		136	136																
97																		131	131																
98																		133	133	29															
99																		144	144	44															
100																		200	201	76 16															
101																		255	255	114 13															
102																		285	285	179 36															
103																		269	269	219 73															
104																		281	281	222 126															
105																		261	261	228 100															
106																		256	256	242 150															
107																		319	319	352 171															
108																		376	376	409 184															
109																		376	376	417 201															
110																		357	357	451 217															
111																		467	467	441 257															
112																		420	420	521 316															
113																		520	520	495 408															
114																		454	454	557 475															
115																		451	451	563 525															
116																		422	422	598 535															
117																		347	347	467 613															
118																		222	222	453 585															
119																		153	153	282 439															
Element (X)	ΣX'				ΣX				Σ				Σ _h				No. Obs.				Mean No. of Hours with Temperature														
Rel. Hum.																					± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 7000-0230
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUN 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APN

MONTH

0000-0200

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12947 MARSHALL AAF MS

66-71,75-79

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7346-0506
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
71			.4	.2														6	6					
69		.1	.5	.1	.4	.1	.2											14	14					
67		.3	.6	.5	.4	.2	.3	.1										24	24					
65		.5	.2	1.1	.1	.1	.3											21	21		11			
63		.2	.7	.5	.2	.4	.4	.3										25	25	10	4			
61		.5	.7	.5	.7	.5	.2											29	29	18	8			
59		.7	1.3	1.1	.6	.7			.1									45	45	28	7			
57	.2	1.5	2.1	.7	.6	.3	.2		.1	.3								52	52	24	27			
55		1.4	1.3	.9	.7	.5	.7	.5		.1								56	56	59	31			
53		2.2	1.7	.8	.6	1.2	.3											68	68	45	36			
51		1.2	3.5	.7	1.1	.2	.1											63	63	65	39			
49		.9	2.9	1.0	.5	.1												45	45	61	45			
47	.3	2.6	1.4	1.6	.9	.1												63	63	61	49			
45	.2	2.6	1.6	1.3	.7	.2												66	66	61	58			
43	.3	2.2	3.4	.8	.1	.1												69	69	90	54			
41	.2	1.7	2.0	.6	.1													46	46	72	71			
39	.1	2.2	2.2	.7	.4													56	56	69	48			
37	.1	2.9	1.0	.7	.1													48	48	57	58			
35	.8	2.0	1.2	1.0														50	50	57	87			
33	.2	2.4	1.5	.3	.1													45	45	49	66			
31	.1	1.8	1.6	.2														37	37	47	72			
29	.2	.7	.6	.1														16	16	45	59			
27	.6	.4	.3	.1														14	14	28	33			
25	.5	.4																7	7	11	29			
23	.2	.7																9	9	11	24			
21		.2																2	2	7	19			
19		.2																2	2	2	19			
17																				1	16			
15		.1																1	1	1	9			
13																					4			
11		.1																1	1		5			
9		.1																1	1	1				
7		.1																1	1	2				
5																					2			
Element (X)	Σ x ²		Σ x		x̄		σ _x		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

2012

MONTH

0300-0500

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

66-71, 75-79

STATION

STATION NAME

YEARS

448

MONTH

PAGE 2

16-13-6800

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
/ /		.1																1	1		1		
- /																				1	1		
/ -																					1		
TOTAL	3.4	27.6	33.4	18.8	3.5	5.1	2.8	.1	.1	.5								988	988	988	988		

PSYCHROMETRIC SUMMARY

YEARS

ADJ
MONTH

PAGE 1 1900-1100
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1970-1100
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 125C-1480
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

1747 MAYSHALL AAF MS

44-71, 75-76

442

STAT: 2M

STATION NAME

YEARS

MONTH

2004 2

1216-1411

HOURS (L - S - T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
27 21																						
27 19																						
17 17																						
17 15																						
17 13																						
17 11																						
TOTAL	4.4	4.6	9.2	9.1	10.2	12.9	14.2	15.4	10.9	7.6	4.4	3.1	1.7	.5	.2				5.6	5.3	4.8	

Element (X)	Σx^2	Σx	\bar{x}	s_x^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2688765	47465	48.5	19.103	988	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	496393	62621	63.5	11.532	988		.5	57.2	21.5	6.6		
Wet Bulb	2167214	51572	52.2	8.731	988			1.1	5.9			
Dew Point	1331322	40876	41.5	11.568	988		20.1	.5				

PSYCHROMETRIC SUMMARY

YEARS

HOURS (L S T)

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

66-71, 75-79

404

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APP

MONTH

1800-2000

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

USAFETAC
FORM
JUN 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

66-71, 75-79

425

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

195 Y
MONTH

PAGE 1 1000-0200
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OL A)
JUN 44
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

13747
STATIO

MARSHALL AAF KS

STATION NAME

66-71,75-79

YEARS

545

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
77				.1	.3													4	4													
76			.2	.5	.7	.1		.1	.1									10	10													
75		.3	.1	.4	.1	.1		.1										11	11													
74		.3	.5	1.0	1.1		.1		.1									31	31	5	2											
73		.2	1.2	.9	.7	.1	.1		.1									33	33	12	6											
72		.5	1.2	1.1	1.3	.5		.1										47	47	14	17											
71		1.2	1.2	1.7	.5	.5	.1											52	53	42	17											
70	.1	3.6	2.5	1.7	1.5	.8	.2	.1										104	104	57	29											
69	.3	3.0	1.4	2.0	.6	.5	.3	.1										82	82	62	51											
68	.1	1.9	2.4	1.4	.5	.5	.1											69	69	86	68											
67	.2	2.0	1.6	1.5	1.3	.3	.2	.1										73	70	72	68											
66	.3	2.2	1.3	1.4	.3													55	55	79	63											
65		1.5	1.3	1.4	.3													45	45	64	52											
64	.1	3.2	1.4	1.7	.8													73	73	68	60											
63	.2	2.2	2.0	1.2														56	57	76	77											
62	.2	3.5	1.1	.8	.1	.2												63	53	63	55											
61	.5	2.9	1.7	.6	.3													59	59	81	73											
60	.5	2.2	1.7	.7	.1													45	45	61	73											
59	.1	1.6	.9	.2		.1												28	28	44	66											
58	.3	1.5	1.0		.1													32	32	56	56											
57	.7	.8	.5															20	20	41	50											
56	.7	.6	.3															16	16	26	43											
55	.7	.5	.3															9	9	14	22											
54																				3	29											
53	.1	.2																3	3	5	13											
52																					2											
51																					3											
50																					1											
49																					3											
48																					2											
47																					1											
TOTAL	5.135	5.24	6.19	6.9	6.3	3.5	1.1	.6	.3									1.17	10.19		10.17											

Element (X)	Z _g ¹	Z _g	R	e _g	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	64234.1	79593	74.3	13.827	1017	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	32462.4	56624	55.6	9.897	1019		.3	12.4	2.3			4 *
Wet Bulb	21435.1	527.6	51.0	9.031	1017		.0	3.1				7 *
Dew Point	2491151	49337	48.5	9.807	1017		5.4	1.8				5 3

PSYCHROMETRIC SUMMARY

66-71,75-79

STATION NAME

YEARS

MONTH

PAGE 1

4601-9558

HOURS (L. S. T.)

USAFETAC
 CLIMATE BRANCH
 AFMTC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1947 MARSHALL AAF MS

65-71, 75-79

DAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1947-11-1

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
47 87										.1	.1		.2	.1							5	5		
57 80					.1	.2		.2				.2									7	7		
67 73				.1	.2	.1	.2	.2	.2	.2	.2	.2									16	16		
77 66				.2	.2	.4	1.2	.2	.2	.2	.2	.2									42	42		
87 59			.1	.1	.2	.2	.2	.2	.2	.2	.2	.2									47	47	1	
97 52			.2	.2	.4	.4	.4	.4	.4	.4	.4	.4									53	53	1	
107 45		.2	1.1	1.1	1.1	1.2	1.2	1.2	1.2	.9	.4										79	79	7	3
117 38		.2	1.2	1.2	1.2	1.2	1.2	.8	.2	.2	.1										63	63	13	1
127 31	.2	.2	1.1	2.1	1.1	1.1	1.1	1.4	.7	.1	.1										80	80	34	7
137 24	.1	1.4	1.1	2.1	1.1	1.1	.9	.7	.1												73	73	52	16
147 17	.6	.6	.8	1.6	1.6	1.4	1.2	.5	.5												75	75	55	33
157 10	.5	1.3	1.2	1.9	.5	1.7	.5	.3													81	81	89	37
167 3	.9	1.1	1.8	1.5	1.7	.8	.4														81	81	97	53
177 4	.8	.3	.6	1.4	1.2	.8	.2														82	82	101	66
187 5	1.2	1.1	.7	.6	1.1	.3	.3														83	83	103	64
197 8	.7	1.2	1.2	.7	.6	.4	.1	.1													48	48	96	77
207 11	.7	.6	.6	.7	.7	.2	.1														36	36	76	73
217 14	1.5	.6	.1	.5	.7	.1															37	37	79	75
227 17	.1	.9	.3	.8	.2	.2															24	24	64	73
237 20	.6	.6	.3	.5	.2	.1															23	23	58	61
247 23	.7	.6	.5	.1		.7															21	21	55	55
257 26	.4	.2	.7	.2	.1																15	16	59	51
267 29	.1	.2	.2	.2		.2															9	9	22	51
277 32		.1																			1	1	21	41
287 35																					1	1	13	31
297 38																								
307 41																								
317 44																								
327 47																								
337 50																								
347 53																								
357 56																								
367 59																								
377 62																								
387 65																								
397 68																								
407 71																								
417 74																								
427 77																								
437 80																								
447 83																								
457 86																								
467 89																								
477 92																								
487 95																								
497 98																								
507 101																								
517 104																								
527 107																								
537 110																								
547 113																								
557 116																								
567 119																								
577 122																								
587 125																								
597 128																								
607 131																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

66-71, 75-79

YEARS

DAY
MONTH

Page 2

0400-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
71.5																																	
72.5																																	
73.5																																	
74.5																																	
75.5																																	
76.5																																	
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99.5																																	
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101.5																																	
102.5																																	
103.5																																	
104.5																																	
105.5																																	

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JAN 64

PSYCHROMETRIC SUMMARY

• 8 •

MONTH

12-0-14,0

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

42 Y
MONTH

PAGE 2 1230-1400
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

66-71, 75-79

MAY

STATION

STATION NAME

YEARS

MONTH

! P A C E !

1500-1700

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DAY
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

1600-2000

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

4 DAY
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
MIL. 64
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAY

MONTH

7100-2300

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

M. A. Y.

MONTH

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
31																			1	1	1	120		
29																			3	3	3	70		
27																			2	2	2	45		
25																						32		
23																						17		
21																						19		
19																						2		
17																						4		
TOTAL	1.7	17.0	16.3	15.1	13.2	10.5	8.2	7.2	4.1	2.7	1.6	1.0	.6	.4	.2	.1	.0		8157	8166		8157		

USAFETAC FORM 0-26-5 (OLA) **REVISÉD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**
MAY 64

PSYCHROMETRIC SUMMARY

YEARS

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

1447 MARSHALL AAF KS

66-71, 75-79

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0322-0500

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point														
89													.1					1	1															
88									.1									1	1															
87									.1									3	5															
86			.1	.1	.0	.3	1.2	.1	.3	.1								25	25															
85				.9	.7	.6	.1	.3										26	26															
84		.2	.2	1.2	.6	.5	.2		.1									32	32	1														
83		.7	1.0	.6	1.5	1.1	.5	.1										59	59	3	1													
82	.1	.9	1.0	2.1	.6	1.1	.4	.5										65	65	57	6													
81	.5	.6	1.9	2.6	1.5	.5	.2	.1										77	77	47	32													
80	.7	1.3	3.6	1.2	1.4	.4	.2											92	92	62	47													
79	.5	2.2	3.7	1.9	1.4													95	95	96	44													
78	.3	3.1	2.7	1.8	.5	.2		.1										57	57	117	82													
77	1.3	2.8	2.9	.7	.7	.2	.3											89	89	120	134													
76	.8	3.1	1.1	.1	.5	.2		.1										59	59	105	74													
75	.5	2.8	1.6	.7	.2	.1												60	61	103	110													
74	1.1	4.2	1.4	.5														71	71	65	98													
73	.4	1.3	.9	.4	.2													32	32	61	48													
72	.7	2.1	1.4	.4														46	46	51	62													
71	.2	1.3	.5															20	20	45	51													
70	.5	.8	.3															16	16	34	51													
69		1.1	.4															15	15	18	25													
68		1.0																10	10	9	25													
67		.3																3	3	12	14													
66																				3	19													
65																					2													
64																					1													
63																					1													
62																																		
61																																		
60																																		
59																																		
58																																		
57																																		
56																																		
55					</																													

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1547 MARSHALL AAF KS
STATION STATION NAME

65-71, 75-79
YEARS

JUN
MONTH

PAGE 1 7600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	TOTAL	TOTAL	
67/87							.1	.1	.1									3	3		3		
67/85							.1	.2	.1	.1								6	6		6		
67/83				.1		.5	.2	.3	.1	.1								13	13		13		
67/81			.1	.1	.4	.5	1.1	.3	.3	.1								33	33		33		
67/79			.7	1.1	1.7	1.3	.5	.1	.1									48	48		48		
67/77		.2	.7	.9	1.4	1.3	.6	.3	.1									51	51		51		
67/75		.6	1.0	.8	2.6	1.0	.7	.5										72	72	18	7		
67/73	.1	.3	1.2	3.2	1.5	.6	.3											72	72	48	15		
67/71	.5	.6	2.3	3.1	2.1	.6	.3	.1										93	93	39	30		
67/69		1.0	5.6	1.8	2.3	.9	.2	.1										115	115	78	41		
67/67	.4	3.1	4.7	1.6	.7	.4												103	103	138	55		
67/65	.2	2.2	2.9	1.3	.6	.2	.3	.1										78	78	153	113		
67/63	.3	4.2	1.5	1.2	.6			.1										78	78	110	152		
67/61	.5	2.2	2.3	.6	.1	.2												54	54	107	101		
67/59	.1	2.0	1.2	1.3	.1													47	47	73	109		
67/57	.4	2.2	1.1	.7	.2													46	46	59	97		
67/55		1.7	.7	.5	.2													32	32	52	74		
67/53		1.2	.5	.2														19	19	37	49		
67/51	.1	.4	.3	.1														9	9	27	60		
67/49		.6	.2															8	8	19	29		
67/47		.2	.1															3	3	9	17		
67/45		.3																3	3	3	15		
67/43		.1																1	1	3	15		
67/41																				1	4		
67/39																					2		
67/37																					1		
67/35																					1		
TOTAL	2.223	5.26	2.18	9.13	7.7	4.5	2.2	.8	.3									987	988	937	927		
Element (X)	Σx'		Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature								Total				
Rel. Hum.	54324.8		75372		76.4		13.386		987		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		
Dry Bulb	4672919		67505		69.3		7.839		988						55.6		27.1		5.6				
Wet Bulb	3793248		62468		63.3		6.337		987						29.5		6.3						
Dew Point	3620459		59403		60.2		6.776		987						13.5		2.0						

USAFETAC FORM 0-26-5 (OL A) 1-64
REPLACES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUN
MONTH

0400-1100
HOURS (L. S. T.)

USAFETAC
FORM
JUL 84
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

55-71,72-73

MCNTH

STATION

STATION NAME

YEARS

245.1 1

12 - 14

HOURS 8.5

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

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2032 2030-2400
HOURS 5-8

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL																																																																			
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point																																																																		
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29																																																																							

PSYCHROMETRIC SUMMARY

5-71,75-14

STATION

STATION NAME

YEARS

MONTH

234

15-17-10
HOURS 11-12

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JUN
 MONTH
 PAGE 15-4-67
 HOURS 11:50

[illegible]

PSYCHROMETRIC SUMMARY

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MONTH

1600-2000

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[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONITOR

PAGE 1 91-20-2800
HOURS 11.5.71

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point													
47/ 93											.1							1	1															
47/ 89									.1	.2	.1							4	4															
46/ 87							.7	.4	.4	.4	.1							20	20															
46/ 85						.3	.7	1.3	.4	.2	.3							30	31															
47/ 83			.1	.6	.4	.5	1.2	.4	.1									38	38															
47/ 81			.3	.5	.2	1.5	.2	.5	.5	.1								52	52															
47/ 79			.3	.5	1.7	1.4	.3	.7	.5	.3								55	55	2														
46/ 77		.1	1.2	1.1	2.4	1.7	.7	.6	.5	.2								88	89	16	3													
46/ 75		.8	1.3	3.1	2.5	1.3	1.1	.5	.2									105	105	34	8													
44/ 73	.1	1.1	.9	3.2	1.1	.7	.5											74	74	74	25													
44/ 71	.1	.7	1.9	2.4	2.2	.9	.5											85	85	101	53													
44/ 69	.1	.5	2.5	1.2	2.4	.6	.8											77	77	110	51													
44/ 67	.1	1.4	3.4	1.7	.9	.7	.1											86	86	115	124													
46/ 65	.1	1.3	1.6	1.5	1.3	.1		.1										60	60	125	131													
44/ 63	.1	1.9	2.1	1.3	1.1	.1												66	66	106	75													
44/ 61	.3	1.7	1.5	.9	.1	.1												46	46	88	89													
44/ 59	.1	1.1	1.5	.5	.2	.1												36	36	81	91													
44/ 57	.2	1.1	1.3	.4														30	30	56	72													
44/ 55	.1	.7	.5	.1	.2													16	16	46	80													
44/ 53		.5	.3	.1														9	9	26	44													
42/ 51		.4	.2															6	6	17	50													
44/ 49		.2																2	2	6	36													
44/ 47																				5	21													
46/ 45																					7													
44/ 43																					1													
42/ 41																					3													
44/ 39																					2													
TOTAL	1.3	13.7	21.5	19.5	18.5	10.5	7.4	3.5	2.2	1.5	.3							986	986	986	986													

PSYCHROMETRIC SUMMARY

15547 MARSHALL AAF MS

66-71,75-79

STATION

STATION NAME

YEARS

MONTH

Fast 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point														
100/100																		1	1															
99/99																		10	10															
98/98																		23	23															
97/97																		31	31															
96/96																		44	44															
95/95																		64	64															
94/94																		105	105															
93/93																		140	140															
92/92																		219	219															
91/91																		300	300															
90/90																		372	372															
89/89																		436	436															
88/88																		569	569	9														
87/87																		546	547	84	2													
86/86																		503	503	213	25													
85/85																		501	501	425	114													
84/84																		516	516	746	175													
83/83																		449	500	747	354													
82/82																		495	496	876	516													
81/81																		504	505	915	720													
80/80																		376	386	810	984													
79/79																		378	378	738	957													
78/78																		246	286	634	673													
77/77																		246	246	597	688													
76/76																		225	225	393	672													
75/75																		125	125	292	564													
74/74																		102	103	199	433													
73/73																		51	51	130	368													
72/72																		37	37	62	264													
71/71																		26	28	44	155													
70/70																		17	17	23	116													
69/69																		4	4	18	56													
68/68																				5	42													
67/67																					13													
Element (X)	ΣX ²				ΣX				X̄				s _x				No. Obs.				Mean No. of Hours with Temperature													
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

YEARS

ALL

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1

1310-0560
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
MAY 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

333
MONTH

NY 72-1110
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

381

YEARS

MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

USAFETAC
FORM
NA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UNCLASSIFIED

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/2
MARSHALL AAF, MANHATTAN, KANSAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 80
USAFETAC/DS-80/020 ML

ML

5-6

2000

PSYCHROMETRIC SUMMARY

YEARS

مجلس

LAST 1

100-1751

MOORE IL. S. T. 1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

SIGNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15447 MARSHALL AAF MS

66-70, 74-79

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

10-2-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
1-2/197																.1	.2	3	5						
1-4/198																.1	.1	2	2						
1-4/198																.2	.1	5	5						
1-2/199											.1			.1	.4	.1		7	7						
1-3/99										.1		.1	.4	.4	.4	.2		14	14						
4-1/97									.1		.4	.5	.4	.4	.4			17	17						
6-7/95									.2	.7	.4	1.5	.4	.4	.4	.1		34	34						
7-4/93								.4	.4	.4	1.4	1.3	.1					47	47						
7-7/91						.1	.7	1.4	1.3	2.1	1.2	.7						73	73						
7-7/87					.1	.5	1.4	1.6	2.4	1.1	1.1	.5	.2					45	45						
8-1/87					.1	.7	2.7	2.3	2.7	1.8	.6				.1			114	114						
8-6/85			.1	.1	.7	2.1	2.5	2.5	1.1	.3	.4			.1				99	99						
4-7/83				.5	1.5	1.9	1.1	1.4	1.4	.8	.2		.1					42	42						
4-7/81			.3	.8	1.6	1.8	1.8	.7	.4	.2								35	35	7					
7-7/79		.1	.4	1.5	2.0	1.8	.7	1.5	.4	.4	.1							16	86	25	1				
10-7/77		.1	.7	1.6	2.3	1.0	.8	.5	.5	.3								76	76	91	7				
10-7/75			.6	1.2	1.1	.8	.2	.4	.4	.1								47	47	140	36				
14-7/73		.2	.8	1.5	.2	.5	.5	.2		.1								40	40	222	51				
14-7/71		.3	.6	.9	.8	.2	.2	.1	.1									32	32	155	91				
1-7/69		.1	.3		.7	.2	.2											15	15	138	123				
6-6/67				.1	.7		.2											11	17	77	119				
6-6/65		.1	.6	.3	.5	.3												14	14	55	148				
4-4/63				.5	.1													5	6	79	114				
4-2/61					.1													1	1	79	64				
1-7/59																				25	64				
5-1/57																				13	47				
5-1/55																				4	57				
1-4/53																					10				
1-2/51																					16				
5-7/49																					14				
4-7/47																					2				
4-7/45																					0				
4-4/43																					2				
Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature							Total												
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 2 1000-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

4 JUL
MONTH

PAGE 1 2100-2500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
97/97																		2	2					
96/96																		2	2					
94/93																		7	7					
92/91																		13	13					
91/89																		28	28					
91/97																		39	39					
90/90																		80	80					
90/88				.1	.2	.7	2.3	2.3	2.6	.6	.1							90	90					
89/88				.7	.1	1.5	2.7	2.8	1.9	.6	.3	.1	.1					109	110					
89/79				.4	1.6	2.5	3.7	1.5	.5	.9								110	110	1				
88/77			.2	.7	2.6	3.2	1.6	.3	.4									92	92	16				
88/75			.5	2.2	2.6	1.7	.6	.7	.4									90	93	54				
87/75			1.3	2.9	2.2	.6	.8	.7	.1									87	87	157				
87/71			1.9	2.1	2.2	.4	.4	.4	.3									82	82	177				
87/69			.8	1.7	1.1	.5	.7	.1	.1									49	49	222				
86/67			.7	1.6	.6	.9	.3											41	41	120				
86/65			.6	1.7	.4	.8	.3											31	31	83				
84/63	.1	.6	.7	.4	.4													27	27	56				
82/61		.4	.6	.5	.1													16	16	41				
81/59			.4	.7														11	11	33				
80/57			.5	.2														7	7	26				
80/55		.1	.4																5	19				
47/53			.1															1	1	3				
47/51																				24				
50/40																			1	1				
40/47																				9				
40/45																				3				
TOTAL	.1	7.0	15.9	15.2	14.9	15.4	11.3	8.0	5.9	3.5	1.9	.6	1.0	.2				1819	1021	1019				

PSYCHROMETRIC SUMMARY

4114

MONTH

ALL

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
44 / 43			.0															1	1		2	15	
42 / 41																						2	
40 / 40	.5	7.5	11.7	12.1	13.0	11.1	10.3	9.2	7.9	5.9	4.1	3.1	1.9	1.1	.9	.4	.4	8158	2163		4158		
38 / 38																							
36 / 36																							
34 / 34																							
32 / 32																							
30 / 30																							
28 / 28																							
26 / 26																							
24 / 24																							
22 / 22																							
20 / 20																							
18 / 18																							
16 / 16																							
14 / 14																							
12 / 12																							
10 / 10																							
8 / 8																							
6 / 6																							
4 / 4																							
2 / 2																							
0 / 0																							
Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.	3354172	501574	61.5	17.702	8158	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	53746317	652557	79.9	10.396	8163			676.4	562.2	380.0	41.1	744											
Wet Bulb	39753234	567422	69.6	5.729	8158			555.9	257.4	12.0		744											
Dew Point	33749761	523771	64.2	6.282	8158			302.4	44.9			744											

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1947	MARSHALL AAF KS
STATION	STATION NAME

66-70,74-79

YEARS

411-

MONTH

PAGE 1

03010-2500

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

66-11,74-79

40
MONTH

PAGE 1 167J-141J
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
89									.1									1	1															
87								.1	.1									2	3															
85						.1	.2	.5										3	5															
83					.1	.7	.5	.2										15	15															
81				.5	.7	2.0	.9											39	39															
79			.2	.4	1.5	2.0	.2	.1										45	45															
77			.4	1.5	3.0	1.2	.7	.1										72	72															
75		.2	1.4	1.8	2.1	.9	.5											64	64															
73		.7	3.4	3.2	1.2	1.5	.2	.1										104	104															
71	.3	2.8	2.9	1.7	1.5	.9	.1											102	103	104														
69	.2	3.7	2.4	1.7	2.2	.9	.2											106	105	156														
67	.5	3.8	2.9	1.4	1.7	.4												113	115	115														
65	.1	2.6	3.4	2.2	1.9	.3												102	102	116														
63		1.9	1.3	1.4	.7	.1												54	54	109														
61	.6	3.2	1.4	1.4	.6													72	72	99														
59	.2	1.8	.6	.2	.4	.1												53	34	42														
57	.2	1.7	.6	.5	.1													31	31	69														
55		1.7	.3	.7	.1													23	25	92														
53	.1	.5	.2	.1														9	9	31														
51	.1	.5	.1															8	8	19														
49		.3																3	5	7														
47		.3																5	5	5														
45			.1															1	1	2														
43																				1														
41																																		
39																																		
TOTAL	2.424	.921	.518	.417	.110	.2	3.6	1.4	.4	.1								1015	1017	1015														
																		1015	1015															

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13-41 MARSHALL AAF KS

66-70, 74-79

STATION

STATION NAME

YEARS

MONTH

PAGE 1

29/0-1100
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
12/131													.1								1	1		
10/99												.2	.2	.2							5	5		
9/97											.2	.2	.6								10	10		
8/95										.2	.2	.7	.2								13	13		
7/93									.2	.2	.6	.1	.2								16	16		
6/91								.6	1.2	1.1	.4	.3	.2								41	42		
5/89							.4	1.6	.9	1.1	.4	.2									57	50		
4/87						.5	1.5	1.6	.7	.5	.4										52	52		
3/85				.2	.2	2.2	2.6	1.5	.7	.7	.2	.1	.1								62	62		
2/83				.2	.2	2.2	2.0	1.1	.4	.5	.3		.1								60	63		
1/81			.5	1.5	2.6	1.2	1.6	.6	.3	.1											65	65		
12/79		.6	1.2	2.5	2.3	1.1	1.9	1.3	.4	.1											111	111	5	
11/77		.1	.5	.9	2.4	1.4	1.4	.6	.9	.1											85	85	41	
10/75		.4	1.3	1.2	2.3	1.2	1.6	.5	.2												87	88	109	10
9/73		.7	1.6	1.9	.4	1.2	1.1	.4													91	91	161	52
8/71	.2	.7	1.0	1.3	1.4	.5	.4	.5													91	91	152	76
7/69	.2	.2	1.7	1.3	.9	.7	.4														91	91	123	135
6/67	.2	.4	1.1	.6	.7	.4	.2														56	56	122	136
5/65		.6	.4	.6	.2	.1	.2	.1													29	29	99	128
4/63		.6	.5	.7		.1	.2														21	21	84	84
3/61		.3	.3	.1		.2															9	9	55	57
2/59	.2	.3	.2																		7	7	44	45
1/57				.1																	1	1	26	73
12/55																							2	54
11/53																							7	36
10/51																								50
9/49																								4
8/47																								11
7/45																								4
6/43																								5
5/41																								5
4/39																								5
3/37																								5
TOTAL	.4	4.3	9.1	10.0	14.5	15.4	14.5	12.9	7.5	5.3	3.4	1.7	1.7	.2							1011	1012	1011	
																					1011	1011		
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Ref. Hum.	3752317		61023		60.4		15.702		1011		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total	
Dry Bulb	647397		80107		79.2		8.102		1011						46.8		73.2		45.4		4.1		75	
Wet Bulb	425615		69657		68.9		5.387		1011						53.7		68.9						77	
Dew Point	499575		64733		63.3		6.597		1011						35.8		3.9						75	

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

2110
MONTH

PAGE 1 12-1-14
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

14-7, 14-14

REAR

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100-140000
100-140000

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

20-71, 74-79

YÉAR

MONTH

44-111-10000-1700
HOURS 10, 11, 12

[illegible]

PSYCHROMETRIC SUMMARY

हुँ

MONTH

1500-1700

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY |

YEARS

PAGE 2

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

2103
MONTH

PAGE 1 2126-280
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

4:12

MONTH

PAGE 1

811

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 7

A1 L

HOURS (L. S. T.)

USAFETAC
FORM
JUL 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

REGIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13-47 MARSHALL AAF KS
STATION STATION NAME

65-70, 74-78
YEARS

PAGE 1
MONTH
13-00-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
47 83							.1											1	1		
47 81						.1	.2											3	3		
47 79				.1	.3	.6	.2											12	12		
47 77				.4	.6	.6	.1			.1								21	21		
47 75			.6	1.1	.7	.8				.1								27	27		
47 73		.5	1.9	1.4	.1	.1	.2	.1		.1								42	42	7	
47 71		.3	1.1	.7	.5	.1	.4											34	34	31	5
47 69		.7	1.7	.5	.8	.1		.1										39	39	44	26
47 67	.1	2.2	1.7	1.6	1.4	.4	.2											76	76	52	43
47 65	.2	2.6	1.2	1.1	.5													55	55	53	53
47 63	.3	2.0	2.0	1.5	.7	.5	.1											69	69	58	53
47 61	.5	2.3	1.1	.8	.5	.5	.3											61	51	73	59
47 59	.7	3.4	1.9	1.1	.2	.4												76	76	77	56
47 57	.4	3.9	1.5	.4	.6	.1												69	69	76	73
47 55	.4	3.5	2.9	1.1	.5	.1												78	58	77	72
47 53	.7	2.8	.9	.5	.2													51	51	94	79
47 51	.2	4.5	1.1	.9	.1													68	68	71	77
47 49	.3	2.5	1.2	1.1		.1												53	53	93	83
47 47	.7	2.3	1.1	.5		.1												42	42	54	53
47 45	.2	2.1	1.1	.5	.1													41	41	43	53
47 43	.1	.7	.5	.1														14	14	39	51
47 41	.4	1.1																15	15	24	41
47 39	.1	1.1	.2															14	14	23	32
47 37	.2	1.3																12	12	19	22
47 35	.1	.4																5	5	9	26
47 33	.1																	1	1	2	15
47 31																					6
47 29																					9
47 27																					3
TOTAL	944	123	915	8	8.2	3.9	2.2	.2		.3								491	477	991	941

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15947
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-78
YEARS

SEP
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
54/ 55							.1	.2										3	5					
57/ 51							.1	.1										3	5					
57/ 75				.3	.4	.4		.1			.1							13	13					
71/ 77		.1	.1	.1	.2	.1												21	21					
78/ 75		.2	.6	.5	.5	.5		.1		.1								23	23	1	1			
74/ 73		.5	1.0	1.5	.5	.2	.5			.1								40	40	7	1			
72/ 71		.4	1.8	.8	.5	.4	.2											41	41	54	11			
71/ 59		.7	1.6	.7	.7	.5	.2	.1	.1									46	46	43	23			
67/ 67	.3	2.0	1.0	1.7	.6	.2												60	60	49	47			
66/ 55	.4	2.6	2.2	1.5	.5	.2	.5	.1										75	75	49	51			
64/ 51	.4	2.7	1.4	1.5	.3	.2	.1											71	71	62	45			
61/ 51	.1	2.9	1.9	.9	1.4	.1												73	73	61	51			
59/ 59	.5	2.7	2.4	.7	.5	.5												74	74	72	71			
57/ 57	.7	3.1	2.7	.8	.5		.1											75	75	81	67			
55/ 55	.3	4.1	2.0	1.1	.5													82	82	69	56			
54/ 52	.4	2.5	1.2	.8	.5	.2												56	56	41	27			
52/ 51	.4	3.0	1.2	.5	.5	.1												60	60	74	65			
51/ 41		1.8	1.7	.2	.5													40	40	54	56			
47/ 47	.1	1.7	1.7	.5	.1													41	41	47	44			
47/ 45		1.5	1.2	.2														29	29	42	56			
47/ 45	.3	1.1	.5	.2	.2													23	23	43	56			
47/ 41		1.5	.2															12	12	31	33			
47/ 35	.2	.7																9	9	15	36			
37/ 37	.1	.6	.1															8	8	13	18			
35/ 35	.2	.4																6	6	6	22			
35/ 35	.2																	2	2	6	16			
32/ 31																						11		
27/ 25																							2	
27/ 27																							1	
25/ 25																							2	
TOTAL	4.4	36.7	26.8	15.2	10.8	3.7	1.4	.7	.1	.2	.1							589	589	989	489			
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.	6438400		72714		79.6		13.255		989		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	91							
Dry Bulb	3525619		59112		59.3		9.677		989				22.8	9.4	1.1		71							
Wet Bulb	3178625		55369		56.7		8.513		989				13.2	.7			73							
Dew Point	2378093		52521		53.1		9.439		989		1.5	7.6	.2				95							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1 970-1130
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

STATION NAME

MONTH

FACT.

999-1113

HOURS	1	5	10
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USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

1.1 - 74
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B., W.B.	Dry Bulb	Wet Bulb	Dew Point														
1															.1			1	1																
2														.1	.1	.1	.1	2	2																
3														.1	.5	.4	.4	3	3																
4														.1	.1	.5	.1	4	4																
5											.4	.4	.7					5	5																
6								.1	.1	.1	.1	.1	.1	.1	.1			6	6																
7							.1	.2	.4	.2	.5	.1	.3	.1				7	7																
8							.2	.4	.6	1.0	.2	.4	.2	.1				8	8																
9						.1	.3	1.0	1.0	1.0	.2	1.1	.4	.4	.2			9	9																
10					.1	.5	1.4	.5	.4	.5	.5	.5	.2					10	10																
11				.7	.7	.7	1.1	.7	.7	.5								11	11																
12			.7	.7	.7	.8	1.4	.7	.7	.9	.7							12	12																
13			.2	.7	.9	1.8	2.2	2.0	1.2	.9	.1	.1						13	13																
14		.7	.9	1.5	1.3	1.7	1.6	1.8	1.5	.4	.7							14	14																
15	.1	.5	.8	1.1	.7	1.2	1.1	1.2	.7	.9	.1							15	15																
16	.1	.5	.4	.4	.4	.5	.3	1.1	.3	.3								16	16																
17	.9	.5	1.5	.7	.7	1.1	.4	1.1	.3									17	17																
18		.7	.5	.7	1.5	1.2	1.1	.5	.2									18	18																
19	.5	.1	.4	.5	.5	1.4	.7	.8										19	19																
20	.7	.6	.4	.1	.7	.6	.4	.1										20	20																
21	.5	.4	.2	.5	.6	.5	.4	.1										21	21																
22	.5	.6	.4	.5	.2	.4	.2	.1										22	22																
23	.2	.5	.4	.2	.5	.3	.3											23	23																
24	.9	.7	.5	.5	.5	.1												24	24																
25	.4	.7	.5	.1														25	25																
26	.6	.2	.2	.1														26	26																
27	.2	.2	.2	.4	.5													27	27																
28	.1	.3	.1															28	28																
29		.1																29	29																
30																		30	30																
31																		31	31																
32																		32	32																
33																		33	33																
34					</																														

PSYCHROMETRIC SUMMARY

65-12, 14-75

YEARS

2007 年 7 月

1. 10-14-21
HOURS 10.5.1.1

[illegible]

ALPHAL CLIMATOLOGY BRANCH
OFFICE
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13-47 MARSHALL AAF MS 45-17, 14-75 YEARS 10 MONTH 10-17-51
STATION STATION NAME HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B., W.B., Dry Bulb	TOTAL Wet Bulb, Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
107.1																																	7	7	
107.1																																	9	9	
107.1																																	6	6	
107.1																																	9	9	
107.1																																	11	11	
107.1																																	26	26	
107.1																																	27	27	
107.1																																	47	47	
107.1																																	39	39	
107.1																																	48	48	
107.1																																	58	58	
107.1																																	72	72	
107.1																																	112	112	
107.1																																	54	54	
107.1																																	58	58	
107.1																																	63	63	
107.1																																	55	55	
107.1																																	34	34	
107.1																																	37	37	
107.1																																	28	28	
107.1																																	27	27	
107.1																																	50	50	
107.1																																	29	29	
107.1																																	6	6	
107.1																																	6	6	
107.1																																	5	5	
107.1																																	13	13	
107.1																																	2	2	
107.1																																	4	4	
107.1																																	4	4	
107.1																																	22	22	
107.1																																	25	25	
Element (X)	ΣX^2		ΣX		\bar{X}		σ^2		No. Obs.		Mean No. of Hours with Temperature						Total																		
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

YEARS

MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
12 / 50																						12										
34 / 53																						13										
54 / 51																						7										
14 / 15																						1										
TOTAL	..	4.1	5.4	5.2	8.2	9.9	12.2	12.4	13.7	13.4	6.2	4.7	3.1	1.7	1.1	.3	.7		988	958		963										

FORM
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

SEP
MONTH

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

1800-2000
HOURS (L, S, T.)

[illegible]

USAFETAC
FORM
JUN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15-47 MARSHALL AAF KS

65-73, 74-78

SEF

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
15/103																																8	9		
15/101																																18	19		
15/99																																20	20		
15/97																																23	23		
15/95																																29	29		
15/93																																40	40		
15/91																																70	70		
15/89																																106	106		
15/87																																128	128		
15/85																																147	147		
15/83																																190	190		
15/81																																252	252		
15/79																																367	367	5	1
15/77																																424	424	46	1
15/75																																578	578	135	18
15/73																																449	449	251	39
15/71																																459	459	429	90
15/69																																456	457	495	280
15/67																																455	455	508	414
15/65																																458	458	560	553
15/63																																443	443	635	431
15/61																																433	433	665	472
15/59																																470	470	655	572
15/57																																437	437	610	565
15/55																																391	391	595	697
15/53																																269	269	569	648
15/51																																275	275	427	575
15/49																																200	200	330	523
15/47																																129	129	270	410
15/45																																112	112	156	392
15/43																																68	68	177	350
15/41																																42	42	91	238
15/39																																41	41	59	218
15/37																																25	25	48	157
Element (X)	Σ X'			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

YEARS

280
MONTH

PAGE 2

ALL

HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OLA) REVISÉD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13/47 MARSHALL AAF KS

05-70, 74-73

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7000-0220
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
67/ 71				.0	.1		.1	.2										6	5				
64/ 70				.0	.1	.4	.4				.1							17	17				
72/ 71			.2	.7	.1	.7	.1	.1				.1						20	21				
67/ 69			.3	.0	.0	.5	.6		.1		.1							30	30	3			
67/ 67		.5	.7	.2	1.0	.3	.2	.1										28	28	10	2		
67/ 65		.1	.9	1.1	.4	.4	.2											31	31	12	13		
47/ 62		.1	.3	1.1	.5	.3		.1										24	24	20	14		
77/ 61	.2	.3	1.2	1.0	.0	.2	.6	.1										45	45	35	8		
77/ 59	.4	1.1	1.2	.4	.6	.8	.4	.5										52	52	50	21		
77/ 57		1.0	1.1	.6	.9	.4	.2											42	42	42	23		
57/ 55	.2	1.5	.8	1.5	.5	.3	.5	.1										52	52	49	64		
77/ 53		1.5	.9	1.4	1.2	.2												50	50	40	43		
77/ 51	.2	1.5	1.4	1.5	.6	.5												55	55	44	47		
77/ 49		1.8	2.2	2.4	.3													73	73	62	38		
77/ 47		2.2	3.2	1.0	.9	.1												75	75	55	34		
47/ 45	.2	2.2	3.2	.9	.5													71	71	107	55		
77/ 43	.0	1.6	2.5	1.2	.4													64	64	55	69		
77/ 41		2.0	1.2	1.1	.5													48	48	61	67		
77/ 39	.5	2.9	1.7	.6	.1													57	57	66	73		
57/ 37	.5	3.6	1.2	.6														60	59	71	77		
77/ 35	.5	2.5	.8	.1														57	57	67	83		
57/ 33	.4	2.5	1.2	.1														43	43	56	65		
77/ 31		1.4	.2															21	21	35	78		
77/ 29	.1	.1	.3															5	5	25	45		
77/ 27	.2	.4																5	5	5	43		
77/ 25	.5	.5																9	9	9	25		
77/ 23																				5	12		
77/ 21																					2		
77/ 19																					13		
77/ 17																					2		
TOTAL	4.0	31.0	26.4	18.7	10.7	4.8	3.0	1.3	.1		.2	.1						1021			1021		
																					1021		
Element (X)	ΣX²		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.	5784692		75376		73.814		952		1021		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	2676311		56981		49.911		520		1021			3.7	9.2	2.1			97						
Wet Bulb	2234131		46677		45.79		966		1021			7.2	1.7				77						
Dew Point	14549.4		42103		41.510		484		1021			20.4	.2				75						

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

CC T

PAGE 1 0610-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
77 / 72				.4		.1	.1											6	6					
77 / 71				.5	.1	.1												13	13					
77 / 69			.5	.5	.1	.3												12	12					
77 / 67		.1	.4	.5	.5	.2												17	17	19				
77 / 65		.1	.8	1.2	.4	.2												31	31	15	7			
77 / 63		.8	.8	.9	.4	.1	.2											33	33	15	12			
77 / 61	.2	1.1	1.8	.9	.3	.2												45	45	24	14			
77 / 59		1.3	1.7	.5	.2	.2												39	39	44	22			
77 / 57		2.2	.9	.5	1.1	.5												52	52	51	26			
77 / 55		.3	1.6	.8	.4	.7												43	43	51	63			
77 / 53	.1	1.4	1.4	1.4	.4	.5	.2											52	52	74	41			
77 / 51		.9	1.4	1.3	.4	.2	.1	.1										52	52	47	36			
77 / 49	.1	1.5	2.3	1.2	.4													56	56	44	33			
77 / 47	.3	2.1	2.5	1.5	.2													55	55	74	44			
77 / 45	.4	2.9	1.4	2.3	.5													52	52	72	51			
77 / 43	.1	2.1	2.0	1.9	.6	.1												59	59	84	51			
77 / 41	.3	3.1	2.3	1.1	.1	.1												72	72	62	72			
77 / 39	.3	3.2	1.3	.5														57	57	78	51			
77 / 37	.3	3.4	1.2	.6														56	56	44	75			
77 / 35	.5	3.9	.8															54	54	57	71			
77 / 33	.3	2.0	.4															77	77	60	70			
77 / 31	.3	3.0	.5															59	59	37	74			
77 / 29	.5	1.7	.1															23	23	56	63			
77 / 27	.3	.6	.1															12	12	23	44			
77 / 25	.4	.3	.1															9	9	14	33			
77 / 23	.2	.1																3	3	5	19			
77 / 21	.1	.4																5	5	4	5			
77 / 19																				3	7			
77 / 17																					1			
77 / 15																					4			
77 / 13																					1			
1-TAL	4.6	3.4	4.2	7.1	7.5	7.9	3.4	.6	.1									1023	1					

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15497 MARSHALL AAF MS 65-73, 74-78 OCT 1965-1100
STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
57/85																																	1	1		
57/83																																	2	2		
57/81																																	7	7		
57/79																																	18	18		
77/77																																	15	15		
76/75																																	27	27		
74/73																																	25	25		
72/71																																	31	31	4	
77/69																																	41	41	13	2
57/67																																	47	47	23	2
57/65																																	63	63	15	14
74/63																																	62	62	42	13
57/61																																	68	68	50	13
57/59																																	66	66	75	29
57/57																																	62	62	55	46
57/55																																	70	70	65	52
57/53																																	59	59	77	47
57/51																																	72	72	65	52
57/49																																	67	67	76	53
57/47																																	54	54	88	53
57/45																																	57	57	82	79
54/43																																	33	33	69	58
57/41																																	54	54	66	63
57/39																																	24	24	53	53
57/37																																	6	6	45	62
57/35																																	3	3	38	57
57/33																																	3	3	5	53
57/31																																			5	77
57/29																																				25
57/27																																				19
57/25																																				12
57/23																																				9
57/21																																				1
57/19																																				
Element (X)	Σ X ²			Σ X			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature						Total														
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F															
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

YEARS

307
MONTH

PAGE 2 BYUC-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

4071 1 121-141
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

60
MONTH

125-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

501

PAUL 2 1500-1700
HOURS (L. S. T.)

[illegible]

JSAFETAC
FORM
M.H. 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

30 OCT
MONTH

PAGE 1 1810-200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
147 17 101 EL	.2	13.2	15.0	15.5	14.0	16.1	11.8	6.6	4.0	1.4	.	.	7	.2					1022		1022													
																			1022		1022													
Element (X)	Z _{X'}	Z _X	Y	%	No. Obs.	Mean No. of Hours with Temperature										Total																		
Rel. Hum.	328.558	61122	59.817	844	1022	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																						
Dry Bulb	3522122	58946	57.715	944	1022		.1	22.4	9.9	2.1		43																						
Wet Bulb	2543140	51144	51.4	893	1022		.7	2.3				43																						
Dew Point	1967258	43518	42.610	616	1022		17.0	.1				53																						

JSAFETAC FORM JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

607
MONTH

HOURS (L. S. T.)

USAFETAC
FORM
MAY 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

661

MONTH

ALL

HOURS (L, S, T)

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

ALL

[illegible]

USAFETAC
FORM
AUG 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

No. 14

MONTH

1000-0242

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

ANSALL AAF AS

45-73, 74-78

333

STATION

STATION NAME

YEARS

MONIM

PAGE 2

1943-1944
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ -1		.4																	4	4				
-1/ -3		.1																1	1	1				
-1/ -5		.2																2	2	2				
-1/ -7																						1		
-1/ -9																						2		
TOTAL		9.45	223.61	1.7	7.2	3.1													987	989		987		

Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5750189	73797	74.8	14.953	987	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	153475	37373	37.9	11.901	988		50.5	.3				987
Wet Bulb	152119	34427	34.9	11.063	987		56.5					987
Dew Point	140610	29031	30.3	12.387	987	1.4	55.0					987

USAFETAC FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

Page 2

0300-0500
HOURS (L. S. T.)

[illegible]

USAFETAC
CLIMATE BRANCH
AFM WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1954 / MARSHALL AAF MS

55-73,74-75

YEARS

NOV

MONTH

PAGE 1

11570-08-10
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
67/63		.1	.3															4	4		
68/63		.2		.4														8	8	3	
69/61		.1																1	1	3	4
70/59		.7	.3	.4														14	14	4	3
71/57	.1	1.4	.7	.1														24	24	12	9
72/55	.1	.6	.6		.4	.2												19	19	20	8
73/53		1.0		.5	.5	.3												19	19	21	12
74/51	.4	.6	.6	.2	.2	.1												23	23	17	23
75/49	.3	.9	.6	.7	.7													22	22	11	27
76/47	.3	1.3	1.2	.7		.2												30	36	26	7
77/45	.1	2.7	1.1	.2	.3													44	44	34	19
78/43	.2	2.1	.5	.8	.1	.1												38	34	46	29
79/41	.2	2.3	1.1	.2														38	38	41	23
80/39	.7	3.1	1.9	1.4														75	75	42	44
81/37	.6	2.3	1.7	.9														55	55	53	46
82/35	1.2	3.2	2.3	.5		.3												75	75	65	61
83/33	.8	3.7	2.6	.4														75	75	75	42
84/31	.5	3.7	2.4	.3														69	69	66	63
85/29	1.3	5.0	1.7	.2														78	78	84	47
86/27	.6	3.4	1.3	.2														59	59	81	67
87/25	.9	4.4	1.1	.1														65	65	64	67
88/23	.7	3.4	.3															39	39	61	54
89/21	1.1	1.6	.5															33	33	43	55
90/19	.1	2.1																21	21	21	61
91/17	.3	1.3	.1															17	17	21	43
92/15	.1	.5	.2															8	8	14	36
93/13	.5	.4																7	7	6	29
94/11	.2	.4																6	6	9	21
95/9	.2	.5																7	7	7	7
96/7	.1	.5																4	4	6	4
97/5		.2																2	2	2	5
98/3	.1	.1																2	2	3	10
99/1		.1																1	1	1	5
100/-1	.1																	1	1	1	5
Element (X)	Σ x²		Σ x		x̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

NOV
MONTH

0615-0815
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
-1/-5																									
-1/-4																									
-1/-3																									
-1/-2																									
-1/-1																									
-1.7/-1.5																									
-1.7/-1.7																									
TOTAL	11.1	54.4	23.1	8.3	1.7	1.2													989		989				
																			989		989				

Element (X)	Σ x ²	Σ x	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6256632	77642	78.5	17.356	989	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1356617	34901	35.3	11.689	989	.4	38.1					48.5
Wet Bulb	1262738	32686	33.0	11.133	989	.4	46.1					46.5
Dew Point	983197	28647	29.0	12.461	989	1.5	57.6					59.1

PSYCHROMETRIC SUMMARY

203

MONTANA

45-110

HOURS: 11 A.M. - 5 P.M.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

0902-11.0
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ /			.1															1	1		7			
- / -		.1																1	1		5			
- / -																					3			
/ -1			.1															1	1	1	4			
/ -1																					5			
- / -1																					4			
-4 / -1																					1			
- / -1																					1			
TOTAL		7.125	13	120	12.7	5.7	3.2	1.0	.2									99	99	99	99			

Element (X)	Σ x'	Σ x	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4074417	55677	66.7	16.345	99	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1746778	42378	42.8	11.585	99		16.1	.4	.5			
Wet Bulb	1557842	37362	36.3	10.464	99		24.2					
Dew Point	1144961	31401	31.7	12.271	99	1.8	49.0					

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1947 MARSHALL AAF KS

65-70, 74-78

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

12-13-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31																				
77-21										.2																							4		4		
77-78										.1																							1		1		
77-77									.1		.1																						3		3		
76-75								.1	.1		.2																					4		4			
74-73									.1	.2																							5		5		
71-71					.1			.5	.4	.4																							13		13		
71-69						.5	.2	.4	.7	.7	.1																						22		22		
71-67				.1	.1	.7	.7	.7	.5	.5	.4																						37		37		
67-65			.1	.1	.4	1.1	.3	1.1	.4	.7	.1																						45		45		
67-63				.5	.4	1.1	.4	.5	.6	.6																							45		45		
67-61			.3	.5	.6	.7	.3	.9	.5	.4																							41		41		
67-59			.5	.5	.5	.5	.9	.6	1.1	.4																							46		46		
67-57			.5	.2	.8	.1	1.1	1.1	1.4	.2																							53		53		
67-55			.5		.1	.8	1.8	1.3	.9	.2																							56		56		
67-53			.2	.5	.2	.9	1.8	1.7	.7	.3																							59		59		
67-51			.4	.5	.7	1.1	2.2	.9	.5	.1																							70		70		
67-49			.1	.5	.4	1.1	1.7	1.3	.3																								56		56		
67-47			.4	.7	.8	1.4	1.5	.9																									59		59		
67-45			.8	.5	1.1	.8	1.1	.2																									41		41		
67-43			.2	1.4	.8	1.9	.7																										50		51		
77-41			.7	1.3	.4	.2	.9																										43		43		
77-39			1.1	.4	.7	.8	.5																										33		33		
77-37			1.9	1.7	1.2	.7	.6	.1																									62		62		
77-35			.6	.4	1.2	.7	.1																										30		31		
77-33			.1	1.6	1.1	.6	.1																										35		35		
77-31				.5	.7	.5																											15		15		
77-29			.5	.6	.4	.1																											14		14		
77-27			.2	.9	.1	.1																											18		13		
77-25			.6	.4	.4																												14		14		
77-23				.1	.2																												3		3		
77-21					.1																												1		1		
77-19	.1	.5	.2																														8		8		
77-17																																					
77-15			.2																														2		2		
Element (X)	Σ x'			Σ x			x			x _n			No. Obs.			Mean No. of Hours with Temperature						Total															
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

PSYCHROMETRIC SUMMARY

YEARS

6.3.4

MONTH

DATE 12-14-51
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13-47 MARSHALL AAF MS

65-77, 74-78

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point				
27 51																			2	2				
27 79									.1	.1	.2								4	4				
75 77										.1		.1							3	3				
76 75								.1		.1	.3								5	5				
74 75										.2	.5								9	9				
72 71						.1	.1	.1	.5					.1					6	6				
71 67					.5	.5	.5	.5	.5	.2	.1								27	27				
67 67					.6	1.0	.4	.7	.7	.6									38	38				
67 65		.3		.5	.6	.3	.4	.7	.5	.2									40	40	3			
64 63			.2	.5	.4	.2	.8	.5	.5										37	37	6			
67 61		.6	.5	.5	.5	.6	.5	1.3	.8										55	55	11			
67 59		.4	.1	.3	.4	.6	1.1	2.3	.4										56	56	34			
67 57		.1	.4	.3	.4	.7	1.2	.7	.5										41	41	47			
57 55		.5	.6	.3	.7	1.2	2.7	.5	.5	.1									70	73	33			
57 53		.6	.1	.4	.5	1.6	1.5	.9	.1										57	57	41			
57 51	.2	.5	.4	.7	1.1	1.5	.9	1.3	.1										63	63	49			
57 45		.6	.3	.7	1.1	1.2	1.1	.2											52	52	45			
57 47		.9	.5	.7	1.2	.8	1.3	.1											55	55	54			
47 45		.4	.5	1.1	.7	.8	.2												42	42	22			
47 43		.3	1.2	.7	1.0	1.0	.1												45	45	35			
47 41		.7	1.0	1.3	.2	.8													43	43	63			
47 35	.3	.7	1.4	.7	.6	.5	.1												44	44	54			
37 37		1.7	.9	1.1	1.2	.3	.1												51	51	66			
37 35	.5	.7	1.4	1.5	.4	.5													53	53	64			
37 33		.4	.4	.8	.2														21	21	42			
37 31		.1	.6	.7	.4														18	18	44			
37 29		.3	.4	.2	.2														11	11	34			
27 27	.1	.3	.7	.1	.1														13	13	31			
27 25		.2	.2	.4															8	8	10			
27 23		.5	.1	.2															5	6	17			
27 21	.2	.2	.7	.1															7	7	5			
17 15		.1	.1																2	2	5			
17 17		.2	.1																3	3	5			
17 15																			2	2	5			
Element (X)	ΣX^2		ΣX		\bar{X}		σ^2		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

401

MONTH

15-17

HOURS (L. S. T.)

[illegible]

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15-47 MARSHALL BAF KS

55-70, 74-74

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		>31	Dry Bulb	Wet Bulb
47/73									.1									1	1	
47/71								.1										1	1	
47/69					.1	.2	.2		.1									6	6	
47/67					.4													4	4	
47/65		.2	.1	.2	.2		.1	.1										10	10	
47/63				.2		.1	.4											7	7	5
47/61		.6	.5	.2	.4		.1	.1										23	23	3
47/59		.7	.4	.9	.5	.6	.3	.1										39	39	19
47/57		.5	.7	1.0	.5	.4	.2	.3										39	39	19
47/55		.4	.5	.5	.4	.4	1.1	.2										43	43	16
47/53		.6	1.1	.4	.5	.7	.2											40	40	34
47/51	.2	1.1	1.0	.6	.4	1.0	.2											51	51	37
47/49		1.0	.5	1.3	1.2	.4	.3	.1										52	52	44
47/47		.7	.7	1.5	2.0	.4	.3											52	52	34
47/45		1.0	2.2	1.9	1.2	.7	.2											81	81	40
47/43		1.5	1.3	1.9	1.1	.5	.3											66	66	73
47/41		.1	1.0	1.4	.3	.4												43	43	68
47/39	.1	1.1	3.7	1.3	1.5	.1												74	74	69
47/37	.1	2.3	1.9	1.6	.4	.1												70	70	43
47/35	.7	1.7	1.8	1.2	.6	.3												63	63	90
47/33		1.3	2.3	1.1	.1													47	47	50
47/31	.1	1.2	1.1	.7	.1													34	34	72
47/29		1.3	2.6	.3														44	44	54
47/27	.3	.4	.7	.5	.4													25	25	37
47/25	.1	.7	.7	.5														25	25	42
47/23		.5	.3	.2														10	10	25
47/21	.3	.4	.3	.1														11	11	14
47/19		.4	.1															5	5	13
47/17			.2															2	2	7
47/15		.2	.1															3	3	25
47/13		.1																1	1	14
47/11		.4	.1															5	5	0
47/9	.1	.2																3	3	14
47/7																		1	1	13
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total			
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1. 1800-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1947 MARSHALL AAF KS

65-70, 74-78

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
67/67																		5	5						
67/65																		6	6						
67/63			.3		.1													12	12						
67/61			.5	.1	.2													10	10						
67/59			.9	.5	.5	.1	.1	.1										24	24	10					
67/57	.1	.5	.9	.5	.5	.2												25	25	21	11				
67/55		.4	.1	.9	.5	.7	.2											23	28	19	12				
67/53	.3	.7	.6	.2	.2	.4	.1											25	25	21	13				
67/51	.3	.3	1.6	.5	.5	.2	.5											55	36	17	28				
67/49		1.1	1.2	.5	.7	1.1	.1	.1										48	48	29	11				
67/47		.9	.7	.7	.5	.5	.4											37	37	42	21				
67/45		2.7	2.3	1.8	1.2	.5												55	55	37	31				
67/43		2.6	1.9	1.8	.7	.1												71	71	49	34				
67/41		1.1	1.6	1.2	.5													44	44	71	38				
67/39	.1	1.7	2.7	.7	.4	.1												57	57	54	41				
67/37		2.7	2.4	.7	.2	.2												62	62	79	56				
67/35	.7	2.3	1.8	1.7	.4	.2												71	71	76	57				
67/33	.6	2.9	2.3	1.5	.1													72	72	67	50				
67/31		4.1	2.3	.4	.2													70	70	60	03				
67/29	.4	2.7	2.3	.3														57	57	88	66				
67/27	.2	1.8	1.4	.5														37	37	71	70				
67/25		2.2	.8	.2														32	32	43	50				
67/23		1.5	.2	.2														19	19	45	61				
67/21	.2	.5	.7															14	14	71	51				
67/19	.3	.9	.2															14	14	11	35				
67/17	.2	.3	.1															6	6	19	62				
67/15	.1	.4																5	5	6	52				
67/13		.1																1	1	4	11				
67/11	.1	.1	.1															5	5	2	11				
67/9		.5	.1															4	4	2	15				
67/7																				4	5				
67/5	.2	.5																7	7	4	5				
67/3																				2	5				
67/1	.2																	2	2	2	7				
Element (X)	ΣX'		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 2100-2500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ -1	.1																	1	1	1	6			
- / -3																					4			
- / -5																					5			
- / -7																					1			
TOTAL	4.137	229.515	0	7.4	4.3	2.1	.1											989	99.1	989	989			

USAFETAC
FORM
JUL 44
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13447 MARSHALL AAF MS

65-70, 74-78

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
77 61									.1	.0								6	6							
77 75								.2	.1	.1								5	5							
77 77								.2	.1	.1	.1							5	5							
75 75							.1	.1	.1	.1								13	10							
74 75								.1	.1			.1						17	17							
72 71				.1		.1	.1	.1	.1									24	24							
71 69					.1	.1	.2	.2	.1	.1	.1							56	56							
67 67			.1	.1	.2	.2	.2	.2	.2	.1	.1							93	93							
65 65		.1	.1	.2	.4	.4	.2	.2	.1	.1								125	125	7						
64 63		.1	.1	.3	.4	.5	.2	.1	.2									136	136	22						
62 61		.1	.3	.3	.4	.4	.2	.2	.4	.2								177	177	37						
61 59	.1	.3	.5	.5	.3	.4	.5	.5	.1									270	270	134						
57 57	.1	.7	.6	.4	.3	.5	.3	.3	.1									254	254	212						
55 55	.1	.6	.4	.3	.6	.7	.3	.2	.1	.1								240	240	243						
53 53	.1	.6	.5	.4	.4	.7	.5	.2	.1	.7								277	277	224						
51 51	.3	.7	.9	.6	.7	.7	.4	.2	.1									351	352	231						
47 47	.7	.8	.7	.8	.9	.7	.4	.1										336	336	242						
47 45	.1	1.1	.2	.3	.3	.6	.4	.1										362	362	305						
45 45	.1	1.9	1.2	1.3	.4	.5	.1											473	473	402						
43 43	.1	1.9	1.3	1.5	.3	.4	.1											462	463	488						
41 41	.1	1.1	1.5	1.2	.3	.2	.1											377	377	499						
39 39	.1	1.9	2.2	1.1	.4	.1	.1											493	493	510						
37 37	.2	2.1	1.9	1.1	.4	.2	.1											455	455	589						
35 35	.6	2.3	1.9	1.1	.4	.2												510	510	589						
33 33	.3	2.1	2.1	.4	.2	.1												451	451	523						
31 31	.3	2.4	1.9	.6	.1													410	410	466						
27 27	.4	2.3	1.5	.5	.1													369	369	537						
27 27	.4	1.9	.9	.2	.1													267	268	463						
25 25	.3	2.1	.9	.4														253	253	329						
23 23	.1	1.4	.3	.1														153	153	290						
21 21	.4	.7	.3	.1														122	122	192						
19 19	.3	.4	.1	.2														68	39	108						
17 17	.1	.5	.1															50	50	92						
15 15	.1	.3	.1															35	35	57						
Element (X)	Σ X ²				Σ X				X				Σ X				No. Obs.				Mean No. of Hours with Temperature					
Rel. Hum.																					≤ 0 F				Total	
Dry Bulb																					≤ 32 F					
Wet Bulb																					≤ 67 F					
Dew Point																					≤ 73 F					
																					≤ 80 F					
																					≤ 93 F					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

108

MONTH

Page 2

ALL

HOURS (L, S, T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MONTH

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1947 MARSHALL AAF MS 55-71,74-75 DEC 1946 1330-0500
STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
67/50					.1													1	1					
64/51					.1													1	1					
67/51		.2	.5		.1													7	7					
67/59		.1		.2														3	3					
67/57		.5	.4	.5														10	10					
67/55		.1																1	1					
67/50																								
67/51		.1			.2													3	3					
67/49		.2	.5	.2			.3											10	10					
67/47		.2		.2	.4													8	8					
67/45			.1	.2	.1	.1	.2											7	7					
64/45	.1	.1	.5	.2	.2													11	11					
67/41		.7	1.1	.4	.4	.2												24	24					
67/40	.1	.9	.5	.4	.7													25	25					
67/37	.5	1.4	1.3	.6	.1													40	40					
67/35	.7	2.1	2.5	.6														62	62					
67/33	1.5	3.5	2.2	.4														78	78					
7/31	.2	4.7	1.9	.7														76	76					
67/27	1.1	4.6	2.9	1.1														69	69					
67/27	1.1	4.7	2.2	.1														51	51					
67/25	1.1	5.7	1.4															55	55					
67/23	1.2	4.8	1.2															75	75					
67/21	1.7	2.3	.8															49	49					
7/19	.6	3.8	.3															46	46					
67/17	1.4	3.6	.4															55	55					
67/15	1.2	4.1	.3															56	56					
64/13	.9	2.1																29	29					
67/11	.4	.7																11	11					
67/9	.5	1.2																17	17					
67/7	.4	.7																11	11					
67/5	.4	1.1																15	15					
67/3	.4	.2																10	10					
67/1	.5	.5																5	5					
7/-1																								
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

10-41	BRSMALL AAF VS
STATION	STATION NAME

55-1', 74-78

YEARS

4.5
MONTH

DATE: 03-06-04
HOURS (L, S, T):

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OLAI)

USAFETAC

PSYCHROMETRIC SUMMARY

65-73, 74-74

468

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1965-68.0
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
47 63			.2															2	2					
47 61			.1															2	2					
47 59				.2														2	2					
47 57				.5	.4													9	9					
47 55						.1												1	1					
47 53		.1	.2															3	3	1				
47 51		.1	.5	.2														7	7	2				
47 49				.4			.1	.1										6	6	7				
47 47			.5		.2	.1												5	5	6				
47 45		.1	.4	.1	.1													7	7	5				
47 43	.1	.2	.3		.2	.5												11	11	3				
47 41		.5	.6	.6	.1													16	16	4				
47 39	.1	1.0	.5	.7	.2													23	25	7				
47 37	.5	1.4	1.0	.7	.1	.1												43	45	12				
47 35	.5	2.3	1.8	.6	.2													49	49	25				
47 33	1.4	3.7	1.5	.5														73	75	59				
47 31	.5	4.5	1.7	.4														73	73	45				
47 29	.9	4.5	2.2	1.4														78	88	43				
47 27	1.4	6.4	2.7	.1														100	100	53				
47 25	1.5	5.7	1.5	.1														81	81	77				
47 23	1.5	5.8	.6															85	81	49				
47 21	1.2	5.4	1.2															66	66	102				
47 19	.4	4.4	.4															54	54	101				
47 17	.2	4.7	.5															55	55	64				
47 15	.8	3.6	.1															46	45	55				
47 13	.5	2.7	.1															37	37	67				
47 11	.4	1.4																30	31	64				
47 9	.7	.9																16	16	45				
47 7	.4	1.5																19	19	41				
47 5	.4	.4																9	9	24				
47 3	.4	.7																11	11	19				
47 1	.5	.2																5	5	25				
47 -1	.4																	4	4	9				
47 -3	.5																	3	3	7				
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																		

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC
MONTH

0930-1130
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26.5 (OL A)
REPLACES PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

PSYCHROMETRIC SUMMARY

JFC

HOURS (L. S. T.)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 7 1270-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JAN 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

OF C
MONTH

PAGE 4 1500-17
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ -1	.1																	1	1	1	3														
-1 / -4																					0														
-4 / -5																					0														
-5 / -7																					3														
-7 / -8																					3														
-8 / -11																					1														
-11 / -17																					1														
-17 / -19																					2														
TOTAL	2.318	2.19	5.18	2.16	0	9.8	6.0	4.5	2.4	1.0	.5							1023	1023	1023	1023														

USAFETAC
FORM
MIL 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
47/62					.1		.1											2	2					
47/61				.4	.2	.2												5	4					
47/59							.1											1	1					
46/57		.1	.4															5	5	0				
46/55		.1	.4	.3			.5											13	13	0				
46/53		.1	.2	.5	.1	.4	.1											12	12	0				
46/51			.2	.3	.2	.3	.3		.1									14	14	0				
46/49		.5	.4	.7	.4	.4	.6	.5										31	31	0				
46/47		.2	.1	.1	.5	.7		.1										15	20	10				
46/45		.3	.7	.5	.4	.7	.1											52	52	17				
46/43		.3	1.2	1.1	.4	.5												34	34	17				
46/41		.5	1.1	1.1	1.2	.3												42	42	22				
46/39	.1	2.0	2.2	1.4	.4													66	66	45				
46/37	.3	1.8	2.2	2.2	1.4													79	79	71				
46/35	.6	3.1	2.2	2.1	.1													42	52	74				
46/33	.6	4.1	3.4	1.8	.1	.1												102	102	94				
46/31		3.3	3.4	1.7	.3													89	89	101				
46/29	.4	2.7	3.3	.9														75	75	99				
46/27	.4	3.5	1.7	1.3														70	70	93				
46/25	.1	2.8	2.2	.8														57	57	82				
46/23	.2	1.6	.8															26	26	58				
46/21	.4	2.2	1.5															42	42	54				
46/19	.1	2.4	1.5	.1														37	37	38				
46/17	.1	1.3	.5															19	19	37				
46/15	.1	1.1	.4															21	21	24				
46/13	.3	1.1	.4															17	17	13				
46/11	.1	.9	.2															12	12	17				
46/9	.1	.4																5	5	14				
46/7		.1																1	1	9				
46/5																				2				
46/3		.2																2	2	16				
46/1		.5																3	3	0				
46/-1	.3																	2	2	5				
46/-3	.1	.1																2	2	1				
Element (X)	ΣX ²																							

PSYCHROMETRIC SUMMARY

YEARS

SPC
MONTH

PAGE 2 1815-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

65-72, 74-78

it is

STATION

STATION NAME

YEARS

MONTH

PAGE 1 210J-23J
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

2017 2

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
- / -5			.3																																
- / -7			.1																																
- / -9																																			
- / -17																																			
- / -19																																			
TOTAL	9.146	6.25	7.10	.9	3.5	1.5	.6												1022		1020														
																			1020		1020														

PSYCHROMETRIC SUMMARY

14-70, 14-71

STATION

STATION NAME

YEARS

MONTH

141

PL

HOURS 12. 5. 9.

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

55-11,74-70

411

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

45-71,74-75

STATION

STATION NAME

YEARS

244

MONTH

PAGE 3

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-7/-25																					1	
-7/-27																					1	
-7/-29																					1	
-7/-33																					1	
TOTAL	4.124	5.19	8.13	5.13	4	4.0	5.4	5.1	3.0	2.5	1.0	1.1	.8	.5	.3	.1	.1	96215	96145	96145		
																		96145	96145			
																	</					

USAFETAC
FORM
N.W. 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

U.S. AIR FORCE CLIMATOLOGY BRANCH
UNAFFILIATED
AIR WEATHER SERVICE/MAJ

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION 47 MARSHALL AAF KS

65-71, 74-79

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
4-12	MEAN	21.3	27.2	37.9	49.6	57.8	67.8	73.5	71.0	61.5	49.9	37.8	28.6	46.7											
	S D	15.088	13.193	12.869	11.159	9.629	8.483	7.690	7.794	9.983	11.320	11.901	11.671	20.592											
	TOTAL OBS	1023	930	1021	990	1019	990	1018	1014	988	1021	988	1022	12024											
5-15	MEAN	19.4	25.2	35.6	47.4	55.6	65.6	70.7	68.3	59.2	47.9	35.2	27.1	43.6											
	S D	15.195	13.026	12.715	11.134	9.897	8.373	7.445	7.452	9.900	11.278	11.903	11.905	20.682											
	TOTAL OBS	1022	930	1022	990	1019	988	1022	1011	990	1023	989	1023	12024											
5-15	MEAN	18.6	23.9	35.0	48.5	57.8	68.3	73.3	69.4	59.8	47.8	35.3	26.2	47.1											
	S D	15.107	12.829	12.362	10.926	9.538	7.839	7.234	7.369	9.677	11.077	11.689	11.967	21.555											
	TOTAL OBS	1022	929	1021	988	1022	988	1021	1017	989	1023	989	1022	12031											
7-11	MEAN	23.1	30.3	43.6	57.5	66.7	76.9	82.8	79.2	69.7	58.2	42.8	31.8	55.3											
	S D	15.193	13.192	13.461	10.813	9.727	8.254	7.824	8.102	9.757	11.480	11.585	11.313	22.459											
	TOTAL OBS	1023	930	1022	988	1023	988	1023	1012	988	1022	990	1021	12030											
12-14	MEAN	31.0	37.8	51.0	63.3	72.0	82.1	88.3	85.2	76.0	65.7	50.1	39.2	61.8											
	S D	15.780	14.374	14.992	11.532	10.454	8.812	8.435	9.305	10.713	11.337	12.476	12.466	22.334											
	TOTAL OBS	1022	928	1023	989	1023	988	1017	1011	989	1022	989	1021	12022											
15-17	MEAN	31.6	40.0	53.1	64.9	73.2	83.3	89.7	86.4	77.0	66.3	50.3	39.9	63.1											
	S D	15.762	14.810	15.496	11.376	10.255	8.794	8.512	8.964	10.711	11.423	12.456	12.169	22.277											
	TOTAL OBS	1022	929	1021	989	1021	988	1020	1013	988	1023	990	1023	12027											
17-24	MEAN	28.3	34.4	47.1	59.7	68.4	78.5	84.1	80.7	69.9	57.7	43.2	33.0	57.0											
	S D	12.502	13.082	13.982	10.745	9.505	8.260	7.959	8.298	10.192	10.944	11.137	10.616	21.925											
	TOTAL OBS	1022	930	1021	990	1019	984	1021	1011	988	1022	990	1023	12021											
1-23	MEAN	23.3	29.8	41.2	53.0	61.4	71.6	77.1	74.1	64.1	52.5	39.6	30.0	51.6											
	S D	12.986	12.618	12.968	10.565	9.044	8.207	7.647	7.924	9.909	11.247	11.554	10.967	21.745											
	TOTAL OBS	1023	930	1023	989	1020	986	1021	1013	989	1023	990	1022	12029											
ALL HOURS	MEAN	24.3	31.1	43.1	55.5	64.1	74.3	79.9	76.8	67.1	55.8	41.9	32.0	53.9											
	S D	15.609	14.474	15.089	12.744	11.690	10.540	10.366	10.492	12.063	13.144	13.351	12.325	22.250											
	TOTAL OBS	8174	7436	8174	7913	8166	7900	8163	8102	7909	8179	7915	8177	96213											

CLIMATE CLIMATOLOGY BRANCH
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13-47 MARSHALL AAF MS

65-71, 74-79

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
13-47	MEAN	19.5	24.6	33.8	44.9	53.2	62.9	66.8	65.0	57.2	45.7	34.9	26.3	44.6											
	S D	12.26	11.74	11.13	9.844	8.583	6.760	5.485	5.855	8.616	9.866	11.063	10.375	18.564											
	TOTAL OBS	1014	930	1021	990	1017	988	1018	1009	988	1021	987	1021	12009											
13-5	MEAN	18.5	23.0	32.3	43.5	51.8	61.5	65.4	63.5	55.7	44.3	33.7	25.1	43.2											
	S D	12.44	11.74	11.31	10.157	9.031	6.914	5.728	6.022	8.899	10.171	11.186	10.165	18.825											
	TOTAL OBS	1021	930	1022	990	1017	987	1022	1011	990	1023	988	1023	12024											
13-16	MEAN	17.5	22.0	31.9	44.4	53.4	63.3	67.0	64.5	56.0	44.5	33.0	24.3	43.5											
	S D	12.50	11.77	11.32	10.022	8.715	6.337	5.454	5.915	8.805	10.093	11.133	10.190	19.377											
	TOTAL OBS	1014	927	1021	988	1022	987	1021	1015	989	1023	989	1022	12023											
13-11	MEAN	21.0	26.6	37.5	49.5	58.5	67.4	71.4	68.9	61.5	50.6	38.3	28.5	48.4											
	S D	12.26	11.41	11.037	9.058	8.190	6.001	5.148	5.387	7.744	9.716	10.464	9.958	19.161											
	TOTAL OBS	1023	930	1021	986	1023	987	1023	1011	986	1022	990	1021	12025											
13-14	MEAN	25.8	31.6	41.5	52.2	60.6	69.4	72.9	70.7	63.7	53.8	42.2	33.7	51.5											
	S D	11.96	11.12	11.05	8.731	8.037	5.987	5.059	5.529	7.644	8.504	10.356	9.981	18.048											
	TOTAL OBS	1021	926	1023	988	1020	987	1016	1008	988	1021	988	1021	12007											
13-17	MEAN	27.1	32.9	42.4	52.8	60.9	69.7	73.1	70.8	63.8	53.9	42.2	33.6	52.0											
	S D	11.65	11.93	10.879	8.427	7.638	5.786	4.920	5.383	7.481	8.531	10.255	9.614	17.087											
	TOTAL OBS	1022	928	1021	989	1020	988	1019	1011	988	1022	990	1023	12021											
13-22	MEAN	23.6	29.6	39.3	50.3	58.9	68.1	71.4	69.0	61.4	50.0	38.3	29.5	49.2											
	S D	11.40	10.55	10.684	8.571	7.594	5.883	4.876	5.327	7.594	8.893	10.161	9.437	18.325											
	TOTAL OBS	1022	929	1021	989	1019	983	1020	1011	988	1022	990	1023	12017											
13-23	MEAN	21.3	26.5	36.1	47.0	55.6	65.2	68.6	66.5	58.7	47.3	35.9	27.4	46.4											
	S D	12.03	10.88	10.858	9.316	7.918	6.340	5.107	5.651	8.193	9.518	10.643	9.976	18.459											
	TOTAL OBS	1022	930	1023	988	1019	986	1019	1012	989	1022	989	1020	12019											
ALL HOURS	MEAN	21.0	27.1	36.9	48.1	56.6	65.9	69.6	67.3	59.7	48.7	37.3	28.5	47.4											
	S D	12.50	11.88	11.640	9.893	8.861	6.921	5.929	6.240	8.716	9.999	11.171	10.442	18.616											
	TOTAL OBS	8169	7430	8173	7908	8157	7893	8158	8088	7908	8176	7911	8174	95145											

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

65-71,74-74

USAFETAC FORM 0-89-5 (OLI)

DATA PROCESSING BRANCH
DIA/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1544 /
STATION

MARSHALL AAF KS STATION NAME

66-71,75-79

PERIOD

JAN
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	0-02	100.0	100.0	100.0	99.7	94.6	81.9	56.7	35.6	11.9	75.5	1019
	03-05	100.0	100.0	99.9	99.7	95.3	85.8	60.6	35.5	15.2	74.5	1021
	06-08	100.0	100.0	100.0	99.9	96.3	87.1	63.4	39.2	15.2	75.4	1019
	09-11	100.0	100.0	100.0	98.7	90.0	71.8	46.9	25.1	6.5	69.5	1023
	12-14	100.0	100.0	98.8	89.0	67.9	45.3	23.1	10.2	2.1	59.2	1021
	15-17	100.0	99.9	96.1	83.8	64.2	41.8	22.3	9.9	2.0	57.9	1022
	18-20	100.0	100.0	99.9	98.0	85.8	67.6	44.0	20.5	5.6	67.6	1022
	21-23	100.0	100.0	100.0	99.5	93.2	78.2	54.5	32.1	9.5	72.3	1022
TOTALS		100.0	100.0	99.3	96.0	85.9	69.7	46.4	25.8	8.0	68.7	2169

DATA PROCESSING BRANCH
 LIAISON/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13947 MARSHALL AAF KS

66-71, 75-79

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	99.9	99.1	96.6	90.3	76.5	54.0	27.7	7.7	70.9	930
	03-05	100.0	100.0	99.5	97.4	93.5	80.9	57.0	33.7	9.7	72.7	930
	06-08	100.0	100.0	99.6	98.0	94.6	81.1	63.0	36.2	11.2	73.8	927
	09-11	100.0	99.8	98.0	95.0	81.7	61.3	39.7	20.4	4.9	65.5	930
	12-14	100.0	97.9	89.3	74.0	54.4	33.9	19.8	10.5	2.2	53.8	926
	15-17	100.0	94.4	82.4	65.6	48.8	33.0	16.3	9.3	1.6	50.8	928
	18-20	100.0	99.0	93.1	85.3	68.4	50.2	29.5	14.0	3.9	60.0	929
	21-23	100.0	100.0	98.3	95.9	85.5	67.7	44.6	21.6	6.6	67.4	930
TOTALS		100.0	98.9	94.9	88.0	77.2	60.6	40.5	21.7	5.9	64.4	7430

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

MAK
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	0-02	100.0	100.0	99.4	94.4	83.8	66.6	46.8	24.6	5.8	67.6	1021
	3-05	100.0	99.9	99.4	96.8	87.6	75.0	56.3	30.2	10.1	71.3	1022
	6-08	100.0	100.0	99.8	98.0	88.9	77.9	58.6	31.6	10.2	72.1	1021
	9-11	100.0	99.7	95.5	82.0	64.2	43.8	25.1	11.2	2.8	59.3	1021
	12-14	100.0	95.4	79.2	56.6	39.4	22.4	11.6	5.5	1.5	46.9	1023
	15-17	100.0	91.1	70.8	49.0	32.4	20.2	10.7	5.3	1.4	43.8	1021
	18-20	100.0	97.6	86.1	69.0	50.3	35.2	19.4	9.0	1.7	52.4	1021
	21-23	100.0	99.7	97.3	88.8	74.2	55.2	35.8	17.9	3.8	62.9	1023
TOTALS		100.0	97.9	90.9	79.3	65.1	49.5	33.0	16.9	4.7	54.4	8173

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MONTH

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FORM 11-4-4

C-87-5 (OL A)

13441	MARSHALL AAF KS
STATION	STATION NAME

66-71, 75-79

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	0-02	100.0	100.0	100.0	99.3	94.7	86.0	69.9	44.6	16.4	77.0	988
	3-05	100.0	100.0	99.9	99.5	96.4	89.2	75.8	52.9	23.5	79.0	987
	6-08	100.0	100.0	100.0	99.3	95.8	86.3	67.1	43.9	13.5	76.4	987
	9-11	100.0	100.0	99.3	92.7	77.7	52.4	29.4	10.4	1.3	61.9	987
	12-14	100.0	100.0	95.4	80.6	55.1	28.5	13.4	5.3	1.2	53.5	987
	15-17	100.0	100.0	92.4	76.1	46.3	23.5	10.7	5.1	1.5	51.3	988
	18-20	100.0	100.0	98.5	89.8	70.0	42.6	22.7	9.2	1.9	54.3	983
	21-23	100.0	100.0	100.0	98.0	92.1	77.9	55.3	26.8	8.5	71.8	986
TOTALS		100.0	100.0	93.2	71.9	78.6	63.9	43.1	25.0	5.5	56.4	7693

AD-A082 420

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/O 4/2
MARSHALL AAF, MANHATTAN, KANSAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
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USAFETAC/DS-80/028

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RELATIVE HUMIDITY

JUL
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	0-02	100.0	100.0	99.7	98.1	90.8	75.6	52.5	30.2	9.4	11.5	1018
	03-05	100.0	100.0	100.0	99.0	95.6	84.4	66.7	40.5	14.6	75.7	1022
	06-08	100.0	100.0	100.0	98.4	94.6	81.1	59.0	30.5	7.3	72.7	1021
	09-11	100.0	100.0	98.2	90.7	67.7	40.7	16.5	6.5	1.0	57.8	1023
	12-14	100.0	99.5	92.3	68.5	40.1	19.0	6.3	1.5	.3	48.4	1016
	15-17	100.0	98.6	87.3	61.0	34.8	14.4	6.4	1.3	.4	46.0	1019
	18-20	100.0	99.7	95.7	80.6	58.1	35.0	16.6	4.9	.4	54.5	1020
	21-23	100.0	100.0	98.5	95.4	81.7	61.1	39.1	20.0	2.9	65.5	1019
TOTALS		100.0	99.7	96.5	86.5	70.4	51.4	32.9	16.9	4.5	61.5	8158

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AUG

MONTH

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0-87.5 (OL A)

FORM
1115-104

RELATIVE HUMIDITY

STATION NAME

PERIOD

SEP
MON

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	99.8	98.8	95.2	87.3	70.2	48.3	19.1	77.8	988
	03-05	100.0	100.0	99.9	99.7	97.5	93.4	78.0	56.4	25.7	80.7	990
	06-08	100.0	100.0	100.0	99.4	97.3	89.8	76.0	52.9	21.3	74.6	989
	09-11	100.0	100.0	99.1	93.2	75.6	54.0	35.4	18.9	4.7	63.7	988
	12-14	100.0	99.8	92.3	71.0	46.3	27.6	16.7	8.1	2.0	52.0	988
	15-17	100.0	98.4	88.5	64.3	40.6	25.1	13.9	7.3	1.7	49.8	988
	18-20	100.0	99.9	97.5	84.6	73.4	54.3	34.2	16.5	3.6	62.7	988
	21-23	100.0	100.0	99.9	97.8	91.1	78.5	60.6	38.0	11.6	73.4	989
TOTALS		100.0	99.8	97.1	89.2	77.1	63.4	48.1	30.8	11.2	67.5	7408

FORM
FD-36 (4-75)

0-87-5 (OL A)

DATA PROCESSING BRANCH
ETAC/USAF
AFW WEATHER SERVICE/MAC

RELATIVE HUMIDITY

15947 MARSHALL AAF KS
STATION

65-70, 74-78
PERIOD

001
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
001	00-02	100.0	99.8	99.6	98.3	92.5	79.5	62.3	36.9	12.5	73.8	1021
	03-05	100.0	99.8	99.8	99.1	96.1	85.1	69.4	43.7	16.3	76.6	1023
	06-08	100.0	100.0	99.8	99.3	96.4	86.2	70.6	43.8	14.8	76.8	1023
	09-11	100.0	99.8	97.0	86.2	66.1	45.5	27.5	13.9	3.9	59.6	1022
	12-14	100.0	98.0	80.3	53.1	34.4	22.3	14.4	9.2	2.5	46.9	1021
	15-17	100.0	97.5	75.3	48.7	31.4	20.2	13.1	7.5	2.3	45.3	1022
	18-20	100.0	100.0	96.2	84.1	66.3	46.3	28.9	16.0	3.5	59.8	1022
	21-23	100.0	99.9	99.1	95.1	85.7	69.8	50.0	28.4	8.8	69.3	1022
TOTALS		100.0	99.4	93.4	83.0	71.1	56.9	42.0	24.9	8.1	63.5	8176

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAL

RELATIVE HUMIDITY

15947
STATION

MARSHALL AAF KS
STATION NAME

65-70, 74-78

PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.7	98.5	92.7	81.5	65.1	48.8	14.8	74.8	987
	03-05	100.0	100.0	99.7	99.2	96.0	86.9	69.7	46.8	17.8	77.2	988
	06-08	100.0	100.0	99.7	99.1	97.6	90.4	75.0	49.7	18.6	78.5	989
	09-11	100.0	99.9	98.7	95.7	81.4	64.3	43.1	22.1	6.7	66.7	990
	12-14	100.0	99.1	91.6	71.0	47.3	31.8	19.5	9.6	2.1	52.9	988
	15-17	100.0	99.2	87.9	66.1	47.0	30.7	20.1	11.7	2.8	52.2	990
	18-20	100.0	99.9	95.7	90.2	76.1	58.6	37.7	19.5	6.3	64.3	990
	21-23	100.0	100.0	99.0	96.4	86.3	75.5	56.1	30.9	9.2	71.0	989
TOTALS		100.0	99.8	96.9	89.3	78.1	65.0	48.3	28.9	9.8	67.2	7411

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13947 MARSHALL AAF KS
STATION

65-70, 74-78
PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.4	98.2	94.9	85.2	63.8	36.4	12.7	74.4	1021
	03-05	100.0	100.0	99.8	99.1	96.0	87.2	66.9	41.3	15.5	76.1	1023
	06-08	100.0	100.0	99.9	99.0	96.6	88.1	71.1	43.3	15.9	76.7	1022
	09-11	100.0	99.8	98.9	95.6	85.3	66.8	47.6	27.8	17.3	68.6	1021
	12-14	100.0	99.1	92.4	75.0	54.8	39.4	24.8	13.1	4.7	55.8	1021
	15-17	100.0	98.2	88.9	72.0	52.7	38.2	24.4	11.8	4.0	54.7	1023
	18-20	100.0	99.8	98.7	93.9	80.6	63.4	43.8	23.3	6.8	66.7	1023
	21-23	100.0	100.0	99.4	97.5	92.0	78.1	56.5	32.9	9.9	72.1	1020
TOTALS		100.0	99.6	97.2	91.3	81.6	68.1	49.9	28.7	10.0	68.1	8174

DATA PROCESSING BRANCH
 LTAC/USAF
 AIR WEATHER SERVICE/MAL

RELATIVE HUMIDITY

15941
 STATION

MARSHALL AAF MS
 STATION NAME

65-71, 74-79
 PERIOD

ALL
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.3	96.0	85.9	69.7	46.4	25.9	8.0	64.7	8169
FEB		100.0	98.9	94.9	88.0	77.2	60.6	40.5	21.7	5.9	64.4	7430
MAR		100.0	97.9	90.9	79.3	65.1	49.5	33.0	16.9	4.7	54.4	8173
APR		100.0	97.9	91.9	81.0	67.4	52.3	37.0	19.4	5.5	60.9	7908
MAY		100.0	99.4	96.2	87.6	75.0	59.4	41.4	24.7	8.9	65.0	8157
JUN		100.0	100.0	98.2	91.9	78.6	60.9	43.0	25.0	8.5	66.4	7893
JUL		100.0	99.7	96.5	86.5	70.4	51.4	32.9	16.9	4.5	61.5	8158
AUG		100.0	99.8	96.1	87.0	73.5	55.7	37.7	22.8	8.0	63.7	8088
SEP		100.0	99.8	97.1	89.2	77.1	63.4	48.1	30.8	11.2	67.5	7908
OCT		100.0	99.4	93.4	83.0	71.1	56.9	42.0	24.9	8.1	63.5	8176
NOV		100.0	99.8	96.9	89.3	78.1	65.0	48.3	28.9	9.8	67.2	7911
DEC		100.0	99.6	97.2	91.5	81.6	68.1	49.9	28.7	10.0	68.1	8174
TOTALS		100.0	99.4	95.7	87.5	75.1	59.4	41.7	23.9	7.8	64.7	96145

USAFETAC

FORM
 JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

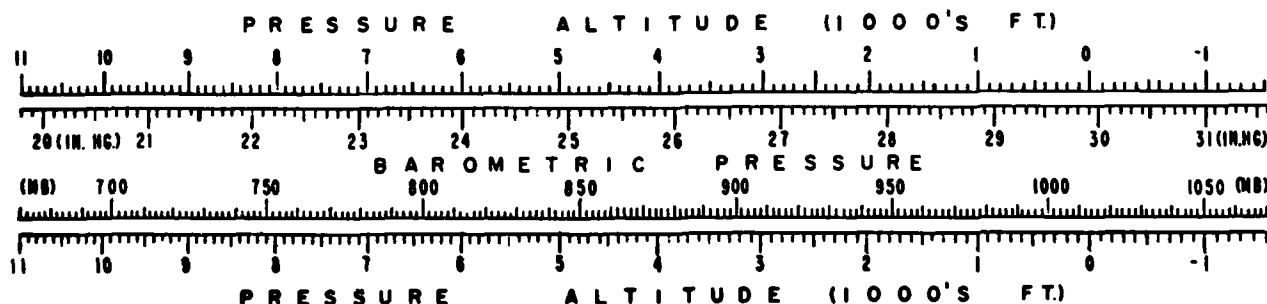
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13947 MARSHALL AAF KS

65-71,74-79

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
10	MEAN	28.981	28.937	28.844	28.801	28.792	28.780	28.835	28.846	28.864	28.892	28.922	28.911	28.866											
	S D	.242	.244	.239	.209	.168	.145	.107	.117	.157	.199	.218	.244	.225											
	TOTAL OBS	341	309	341	330	340	330	338	336	328	340	329	341	4003											
11	MEAN	28.982	28.931	28.837	28.791	28.786	28.774	28.831	28.845	28.862	28.892	28.915	28.899	28.862											
	S D	.248	.249	.242	.216	.174	.151	.107	.116	.158	.202	.224	.244	.209											
	TOTAL OBS	341	310	340	330	337	330	340	339	330	340	329	340	4006											
12	MEAN	28.975	28.932	28.844	28.804	28.803	28.793	28.848	28.859	28.876	28.901	28.916	28.892	28.870											
	S D	.250	.246	.246	.221	.180	.149	.110	.118	.158	.207	.226	.247	.209											
	TOTAL OBS	341	310	340	329	339	329	338	338	330	341	329	341	4005											
13	MEAN	29.002	28.960	28.866	28.824	28.819	28.807	28.864	28.875	28.895	28.923	28.944	28.916	28.891											
	S D	.255	.243	.253	.224	.181	.152	.110	.120	.164	.211	.226	.245	.212											
	TOTAL OBS	341	310	340	329	341	328	339	337	329	340	330	341	4005											
14	MEAN	28.995	28.955	28.853	28.811	28.804	28.794	28.850	28.862	28.880	28.904	28.927	28.904	28.878											
	S D	.254	.240	.255	.220	.177	.150	.111	.120	.164	.212	.224	.246	.212											
	TOTAL OBS	339	310	341	328	341	329	339	338	330	339	329	339	4007											
15	MEAN	28.940	28.901	28.801	28.770	28.767	28.760	28.815	28.821	28.832	28.856	28.881	28.858	28.833											
	S D	.247	.234	.252	.210	.171	.146	.110	.119	.163	.206	.217	.243	.206											
	TOTAL OBS	340	310	341	330	339	328	340	337	329	339	330	341	4004											
16	MEAN	28.953	28.905	28.802	28.760	28.746	28.734	28.783	28.799	28.823	28.857	28.895	28.874	28.827											
	S D	.241	.233	.242	.203	.165	.146	.110	.118	.159	.201	.214	.239	.206											
	TOTAL OBS	341	309	340	329	336	329	339	337	330	341	330	341	4004											
1	MEAN	28.971	28.930	28.834	28.792	28.777	28.759	28.811	28.829	28.852	28.886	28.916	28.895	28.854											
	S D	.243	.237	.239	.203	.162	.144	.110	.118	.158	.199	.214	.240	.204											
	TOTAL OBS	340	308	341	330	339	329	341	338	330	341	330	341	4009											
ALL HOURS	MEAN	28.975	28.931	28.835	28.794	28.787	28.775	28.830	28.842	28.861	28.889	28.914	28.892	28.860											
	S D	.246	.241	.247	.214	.174	.149	.112	.120	.162	.205	.221	.244	.209											
	TOTAL OBS	2724	2476	2724	2635	2714	2632	2714	2700	2636	2721	2636	2725	32037											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

13-47 MARSHALL AAF KS

65-71,74-79

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
10	MEAN	1021.9	1020.0	1016.1	1014.0	1013.3	1012.5	1014.2	1014.6	1015.6	1017.1	1018.7	1018.5	1018.4											
	S D	8.996	8.993	8.865	7.622	6.099	5.253	3.934	4.290	5.708	7.322	7.909	8.921	7.719											
	TOTAL OBS	340	309	338	329	340	330	339	337	327	340	329	339	3497											
7	MEAN	1021.8	1019.7	1015.8	1013.6	1013.1	1012.2	1014.0	1014.5	1015.6	1017.1	1018.5	1018.2	1018.2											
	S D	9.169	9.153	8.943	7.856	6.352	5.447	3.933	4.192	5.721	7.337	8.166	8.921	7.837											
	TOTAL OBS	339	309	340	327	338	329	341	330	330	339	326	341	3489											
15	MEAN	1021.7	1019.8	1016.2	1014.2	1013.8	1013.0	1014.7	1015.2	1016.1	1017.5	1018.6	1018.2	1018.6											
	S D	9.251	9.029	9.097	8.044	6.494	5.367	4.021	4.304	5.761	7.551	8.212	8.941	7.867											
	TOTAL OBS	340	309	339	327	340	329	339	339	328	341	329	341	4001											
10	MEAN	1022.7	1020.9	1017.0	1014.9	1014.3	1013.5	1015.3	1015.7	1016.8	1018.4	1019.7	1019.2	1017.4											
	S D	9.459	8.923	9.309	8.109	6.543	5.409	4.043	4.353	5.975	7.692	8.270	8.929	7.952											
	TOTAL OBS	341	310	340	327	341	327	340	336	328	338	328	341	3497											
10	MEAN	1022.4	1020.7	1016.4	1014.4	1013.7	1013.0	1014.7	1015.2	1016.2	1017.5	1018.9	1018.6	1016.8											
	S D	9.391	8.793	9.403	7.967	6.404	5.393	4.061	4.401	5.934	7.660	8.140	8.964	7.919											
	TOTAL OBS	341	309	341	329	341	329	339	336	329	339	329	339	4001											
15	MEAN	1020.4	1018.7	1014.5	1012.9	1012.4	1011.8	1013.4	1013.8	1014.5	1015.8	1017.3	1017.0	1015.2											
	S D	9.174	8.596	9.315	7.609	6.179	5.264	4.032	4.380	5.914	7.519	7.908	8.755	7.685											
	TOTAL OBS	339	309	339	330	339	329	341	337	329	340	327	339	3998											
10	MEAN	1020.9	1018.9	1014.6	1012.6	1011.8	1010.9	1012.5	1013.1	1014.3	1016.0	1017.9	1017.7	1015.1											
	S D	8.963	8.544	8.929	7.380	6.002	5.254	4.052	4.312	5.765	7.321	7.795	8.731	7.735											
	TOTAL OBS	340	310	340	329	340	329	337	336	330	339	330	341	4001											
10	MEAN	1021.6	1019.9	1015.8	1013.8	1012.8	1011.8	1013.4	1014.1	1015.3	1017.0	1018.7	1018.5	1016.3											
	S D	9.026	8.657	8.826	7.395	5.914	5.146	4.015	4.313	5.758	7.232	7.785	8.781	7.694											
	TOTAL OBS	341	328	338	328	337	328	339	337	328	340	330	341	3995											
ALL HOURS	MEAN	1021.7	1019.8	1015.8	1013.8	1013.2	1012.3	1014.0	1014.5	1015.6	1017.0	1018.5	1018.2	1016.2											
	S D	9.196	8.854	9.111	7.774	6.291	5.366	4.094	4.388	5.864	7.486	8.042	8.879	7.826											
	TOTAL OBS	2721	2473	2715	2626	2716	2630	2715	2688	2629	2716	2628	2722	31979											